



IEEE - MVSR STUDENT BRANCH
Student Branch Code: 12161, School Code: 41329276



TECHNOVANZA 2K22

As per the tradition of IEEE MVSR SB, the Annual Flagship event, a two-day National Level Technical Symposium TECHNOVANZA 2K22 was conducted on 28th and 29th of April, 2022, with theme “Innovate, Explore, Evolve and Emulate with the technology”.

Student Branch Mentor:

Dr. Atul Negi,
Professor,
School of CIS,
University of Hyderabad

Student Branch Advisor:

Dr. G. Kanaka Durga
Principal and Professor,
MVSR Engineering College.

Student Branch Counsellor:

Dr. D. Hari Krishna,
Associate Professor, EEE Dept.,
MVSR Engineering College.

Student Branch Executive Committee:

Chair	Mr. Ch. Sai Teja
Vice Chair	Mr. K. Uthej
Secretary	Mr. G. Surya Teja
Joint Secretary	Ms. S. Navya Sree
Treasurer	Mr. Mohammad Danish
Operating Committee Head	Ms. P. Sisira Reddy

WIE Affinity Group:

Chair	Ms. Vibhava Sugur
Vice Chair	Ms. V. Sai Sri
Secretary	Ms. T. Rithika
Joint Secretary	Ms. M. Kathyayani
Treasurer	Ms. Akshaya Emmadi

Power Energy Society:

Chair	Ms. T. Snigdha
Vice Chair	Mr. Vuppala Vivek
Secretary	Mr. K. Naga Seshu
Joint Secretary	Mr. Ankith Rama
Treasurer	Ms. Addu Vandana
Women in Power	Ms. B. Rajya Laxmi

WIE Student Branch Advisor:

Mrs. A. Vijaya Vahini
Assistant Professor, IT Dept,
MVSR Engineering College.

PES Advisor:

Dr. D. Hari Krishna,
Associate Professor, EEE Dept.,
MVSR Engineering College.

CS student branch advisor:

Mrs. B. Saritha
Associate Professor, CSE Dept.,
MVSR Engineering College.

CASS Student Branch Advisor:

Mrs. S. Aruna
Assistant Professor, ECE Dept.,
MVSR Engineering College.

Computer Society:

Chair	Ms. K. Laxmi Priya
Vice Chair	Mr. Syed Omer
Secretary	Mr. M. Hareem
Joint Secretary	Ms. Y. Manvitha
Treasurer	Ms. K. Aishwarya
Women in Computing	Ms. S. Nithya Santoshini

Circuits & Systems Society:

Chair	Ms. P. Shruti
Vice Chair	Mr. N. Bhargava Saketh
Secretary	Mr. K. Hemanth
Joint Secretary	Mr. Gautham Purohit
Treasurer	Mr. DLN Srihith

Operating Committees:

Publicity	Mr. N. Krishna
	Mr. Rafae Ahmed
Membership	Mr. P. Tarun Reddy
Design & Web	Ms. Hetalee Warad
Master Program	Mr. D.Parimal Kumar
	Ms. P. Phani Priya
	Mr. K Sai Kiran
Social Media & Content Writing	Ms. Ch. Sreeya
	Mr.N.Sriram

Event Details:

Date: 28th & 29th April, 2022.

Technovanza Inaugural:

All the chairs and advisors of IEEE MVSR have gathered and met Dr G Kanaka Durga, Principal, MVSR Engineering College, Student Branch Advisor, IEEE MVSR SB. She wished them good luck and declared Technovanza 2k22 open.

I. POSTER PRESENTATION:

The poster presentation was conducted by IEEE MVSR SB PES Student Chapter as a part of TECHNOVNZA 2022. This is a Technical Event. The aim of this event is to provide the participants to exhibit their thoughts in a creative manner.

The themes of the Poster Presentation were decided as Sustainable Energy Resources, 5G Wireless Technology, Theme 3 Web 3.0, Cyber Terrorism, Battery & Fuel cell Development in EV's

The rules and regulations of the event go as follows.

- 1) A hand-drawn poster is to be made on any one of the aforementioned themes.
- 2) The participants need to present the poster Infront of the judges
- 3) 5 mins will be given to each participant

Coordinators: Mr. Ankith Rama, Ms. Sravani

The event was conducted offline on 30th April 2022, offline. A total of 9 participants registered and participated in the event. Winners were selected by the judge Dr T Chandra Shekar, Associate Professor, EEE department, MVSR Engineering College.

Winners of the event:

1. Ms. Hetalee
MVSR Engineering College

2. Ms. K. Prathyusha and Ms. V. Manisha
MVSR Engineering College

II. CIRCUGEEKS:

CIRCUGEEKS was conducted by IEEE MVSR SB PES Student Chapter as a part of TECHNOVNZA 2022. This is a Technical Event. The aim of this event is to check the knowledge of participants in electrical engineering and to challenge their circuit-solving abilities.

The rules and regulations of the event go as follows.

This competition will be of 2 Rounds. At most two participants can form a team or one can take part individually.

Round 1: Quiz

It consists of 10 Mcq's based on Basic Electrical Engineering concepts the participants who score 50% marks will qualify to the 2nd level.

Round 2:

This was conducted by using **pspice software** where the Participants need to connect the circuit and should bring the values which were asked by us.

As for mesh analysis, we ask a specific mesh current that needs to be designed by the participants from given components. We give extra components for increasing the difficulty.

Similarly, different circuits can be asked with different concepts (Nodal, Thevenin, Norton circuits).

Winners will be based on the time taken to complete the circuit correctly.

Coordinators: Ms. A.Vandana, Mr. K. Pavan Harshith, Ms. M. Priyanka

The event was conducted offline on 30th April 2022, offline, using the said platform. A total of 15 participants registered and participated in the event. Winners were selected following the above-mentioned rules.

Winners of the event:

1. Mr. S. Surya Ganesh Raju and Mr. S. Sai Kumar
MVSR Engineering College
2. Mr. S. Sanjay Kumar and Mr. G. Nithin
MVSR Engineering College

III. IDEATHON:

IDEATHON – 2022 a technical event where students presented their ideas in contest was organized by Department of Business Management as part of TECHNOVANZA-2022 in association with IEEE MVSR STUDENT BRANCH on Dt.29-04-2022.

Chief Guest Dr D. Hari Krishna IEEE student branch counsellor has given a speech by giving information regarding the various activities organized by the IEEE and also given a brief about the events of TECHNOVANZA 2022. The judge for the event is Dr G. Bharthi, Assistant professor, DBM. DBM organized its presentations in QEEE seminar hall. All of faculty of DBM has attended the event.

After the speech of the chief guest the idea presentations have started. All together 13 participants have presented their ideas. Later Dr.N. Sravanthi HOD DBM has addressed the gathering by giving information regarding the Initiation and organization of this event. The presentations were concluded at 1:00 PM by vote of thanks

Winners of the event:

1. Ms. CVSS SRIVIDYA & Ms. K. ALEKHYA
MVSR Engineering College
Their idea is “THE INDIAN STOVE”. They deliver ingredients to cook food as per the customer need with good quality and also in required quantities so that customers can cook their own food with good hygiene and is purely customizable
2. Mr. D. SHARATH KUMAR
MVSR Engineering College
His idea is “AUTOMATED SEED SOWING MACHINE”. It is an equipment which has the potential to complete the cultivation in short span of time. It helps the farmers in ploughing and farming at the same time so that seed will fall in equal distance and helps in reducing cost to the farmers.

IV. RAPID CODE:

As a part of IEEE MVSR SB Annual flagship event TECHNOVANZA 2K22, IEEE MVSR SB WIE Affinity group organized technical event ‘Rapid Code’. It consists of 2 rounds

Round 1:

Timings: 11AM to 12PM

It consists of MCQs on various programming languages.

It was conducted in QUIZIZZ website in offline mode.

20 Questions were given, each question to be answered within a duration of 20 seconds

Total number of participants: 12

Number of students qualified for round 2: 7

Round 2:

Timings: 12PM to 12:45PM

It consists of debugging questions where the participants are supposed to remove the errors from the given code and make sure the correct output (as given) is produced.

This round was conducted offline in college lab.

4 Debugging questions were given

Those who finished in less time declared as the winner

Winners:

1st place: Mr. Vadeghar Shravan
MVSR Engineering College

2nd place: Ms. M.Sirisha
MVSR Engineering College

v. FILL THE GRID:

As a part of IEEE MVSR SB Annual flagship event TECHNOVANZA 2K22, IEEE MVSR SB WIE Affinity group organized a technical event “Fill the Grid”. It is a game on words related to technical terms of various departments of engineering. We have given a grid sheet that consisting of hints according to participants departments and they have to complete the grid using those hints

Participants who take less time to fill the grid will be declared as winner

Date: 12:00pm – 1:00pm

Mode: Offline

Number of participants: 10

Winners:

1st place: Ms. Yemike Anjali
MVSR Engineering College

2nd place: Mr. Chittepu Arundhathi
MVSR Engineering College

VI. JUST A MINUTE:

JAM is an event where the participants were invited, in rotation, to speak for one minute on a given subject which they are normally not informed of in advance, without "hesitation, repetition or deviation"

The Just-a-Minute event has been used with great success as a vehicle for reinforcing concepts, challenging student abilities to address issues and stimulating discussion.

- Criteria/Rules: voice should be audible and clear, the speech for the given topic should be completed in 1 minute.
Two Winners will be finalized.
- Offline
- Registration fee – 50 Rs
- Prizes – cash prize for first two winners and participation certificate for all participants

ROUND -1

In this total of 7 people participated and they spoke on the topic sustainability for a minute and the judges had selected top 5 of them to the second round.

ROUND – 2

The 5 people who were forwarded merit from round 1 participated in this round.

Here the participants were asked to speak about how their core branch related to sustainability and according to the technologies they have maintain the sustainability. The participants presented delivered their points on aforementioned topic and two of them were declared as winners.

WINNERS:

1. Ms. Pranavi Oppula
2. Ms. Amustal Badge Aayesha

VII. MOCK INTERVIEW

“Mock Interview” is a technical event that was conducted by IEEE MVSR SB CS Student Chapter in collaboration with the Suntek Corporation and Department of CSE and IT as part of TECHNOVANZA 2K22 The event was conducted across 2 days on 28th and 29th of April 2022.

Event Details:

Day-1:

Date: 28th April 2022

The first round of the event was conducted online through the Suntek portal. The participants were given verbal and aptitude-based questions with the duration of 45 minutes and the students who cleared the first round were selected for the round 2 HR interview which was held offline.

Day-2:

Date: 29th April 2022

The second round of the event was conducted offline in Lab-2 of CSE department. This round was a hybrid interview in both online and offline. Suntek Corporation has taken over the proceeding of the HR interview. The duration of the interview was around 15 minutes and the best 2 candidates were declared as winners.

Winners:

1st Place: Mr. Abdul Rafae
MVSR Engineering College

2nd Place: Ms. D. Poojitha

VIII. CODIGO

“Codigo” is a technical event that was conducted by IEEE MVSR SB CS Student Chapter in collaboration with the Department of CSE and IT as part of TECHNOVANZA 2K22. The event was conducted across 2 days on 28th and 29th of April 2022.

Event Details:

Day-1:

Date: 28th April 2022

The first round of the event was conducted online through the use of Google Forms. The participants were given 10 questions related to general programming and C language. The duration of the online quiz was set to 10 minutes and 20 participants qualified to the 2nd round.

Day-2:

Date: 29th April 2022

The second round of the event was conducted offline in Lab-3 of CSE department. This round was a blind coding contest wherein the monitors of the participants were turned off which made the code invisible to the programmer and the occurrence of errors at the time of execution would mean the elimination of the participant.



Evaluation of the code of the participants

IX. MODELS ON DISPLAY

“Models on Display” is a technical event that was conducted by IEEE MVSR SB CS Student Chapter in collaboration with the Department of Mechanical Engineering as part of TECHNOVANZA 2K22. The event was conducted on the 29th April 2022.

Event Details:

Date: 29th April 2022

This event was conducted offline in The Mechanical Block Foyer. In this event, the participants are to form into teams of 2 or 3 members and then make a working kinetic model while explaining application and/or use. The models were judged according to their applicability in real life problems.

In the end, after listening and judging the models presented, The judge of the event, Dr.Jaya Kanda Samy, Professor, Mechanical Department, MVSR Engineering College declared the winning team.

Student Co-ordinators: • Ms. Aishwarya Gupta • Ms. Pranathi Sree • Mr. Sai Shashank
Faculty Coordinators: • Mr. M Bhargava Chandra • Mr. S. Shiva Kumar

Winners:

1st Place: Mr. R. Sai Sandeep, Ms. Sneha Reddy, Mr. M. Tanuj
MVSR Engineering College.



Participants presenting their Kinetic Models

X. PAPER PRESENTATION:

“Paper Presentation” was conducted by IEEE MVSR SB in collaboration with Department of Automobile Engineering, MVSR Engineering College as a part of Technovanza 2k22 on 29th April,2022.

The aim of the event is to provide participants a platform to exhibit and get evaluated with their ideas. The participants presented their papers in the allotted time and answered the queries after their presentation.

Dr A V Krishna Prasad, Professor, Department of Information Technology, MVSR Engineering College, evaluated the papers of participants.

Venue: AV hall, CSE-IT block

Student Coordinators: Ms. Vineela and Ms. Ruchitha

Winners:

1) Mr. Akhul Lakha, MVSR Engineering College

Topic: Block Chain Technology

2) Ms. Varshitha and Ms. Nikitha Maila, MVSR Engineering College

Topic: Artificial Neural Networks

XI. TECH SHARK TANK

“Tech Shark-Tank” is a semi-technical event that was conducted by IEEE MVSR SB CS Student Chapter in collaboration with the Department of CSE and IT as part of TECHNOVANZA 2K22. The event was conducted on the 29th of April 2022.

Event Details:

Day-1:

Date: 29th April 2022

This event was conducted offline mode in CSE Seminar Hall. This is one such event wherein participants come and pitch their ideas. Ideas can be any real-time problem statements or start-up plans or mini-projects as well. No rules are set to make participants feel confident. So, here a problem statement is taken by participants, and a solution for that problem is presented.

In the end, after listening to all the ideas presented, the judges declared the winner and the runner-up to the best two pitches given by the participant teams.

Winners:

1st Place: Mr. Beeram Nithin, MVSR Engineering College

- Mr. Affan Iqbal, MVSR Engineering College

2nd Place: Ms. Ch. Harika, MVSR Engineering College

- Ms. M. Shirisha, MVSR Engineering College
- Ms. C. Rashmika, MVSR Engineering College



Participants presenting their ideas

XI. BRAIN BOOM

Brain Boom was conducted by IEEE MVSR SB PES Student Chapter as a part of TECHNOVNZA 2022. This is a semi-technical event. This is related to the basics of electronics puzzles, quizzes, and riddles. It was conducted using google forms. The aim of this event is to challenge and test the logical and technical ability of a person.

The rules and regulations of the event go as follows.

No team participation. Individual participation is encouraged.

There are two rounds:

The questions and answers are created on that site and those will be sent to the participants in different sets and the participants will solve the questions.

Round 1: There will be 15 questions. The questions will be on basic electronics each question will be of a 60-sec time limit.

If they qualify in Level 1 then only, they are allowed for participating in Round 2.

Round 2: There will be 10 questions. The questions will be a little higher level. Each question has a time limit of 60 sec.

The winner will be decided based on the highest score we get.

Co-Ordinators: Ms. Rajya Lakshmi, Mr. Sanjay Kumar, Mr. Nithin Gopula.

The event was conducted online on 28th April 2022, online, using the said platform. A total of 21 participants registered and participated in the event. Winners were selected following the above-mentioned rules.

Winners of the event:

- 1) Name: B. Ranjeeth Kumar, Matrusri Engineering College
- 2) Name: Piyush karan, SVIT

XII. DIY WEB

“DIY WEB” is a semi technical event that was conducted by IEEE MVSR SB CS Student Chapter in collaboration with the Department of CSE and IT as part of TECHNOVANZA 2K22. The event was conducted on 28th of April 2022.

Event Details:

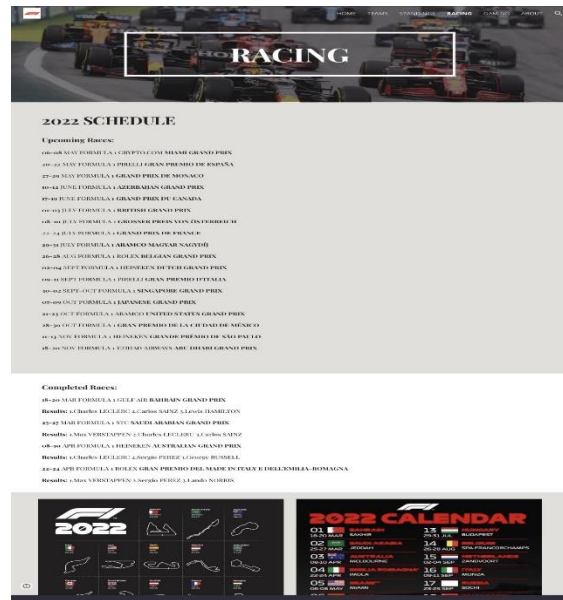
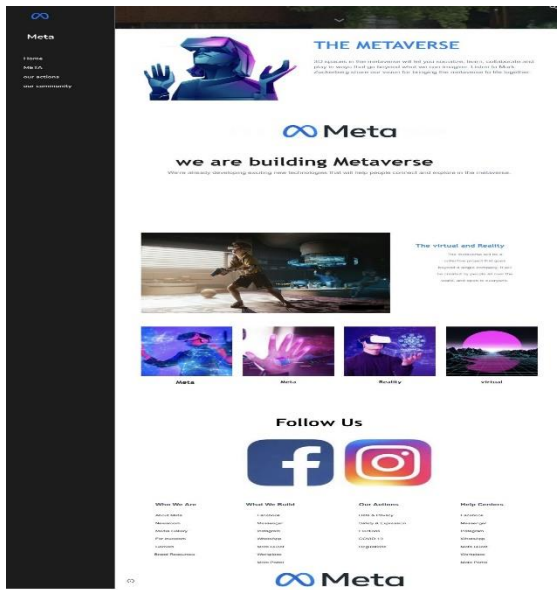
Date: 28th April 2022

DIY WEB had only one round and it was conducted online. Participants were given 3 themes from which they were allowed to choose a theme and design a website using the platform “Google sites”. They were given a time limit of 3 hours and they were asked to keep updating their website every 30 mins. A total of 18 responses were received from participants and among them the best 2 were awarded.

Winners:

1st Place: Mr.KaranPuranam, MVSR Engineering College

2nd Place: Mr.Golla Anand, MVSR Engineering College



Websites Developed by Participants

XIII. LOGO QUEST

As a part of IEEE MVSR SB Annual flagship event TECHNOVANZA 2K22, IEEE MVSR WIE Affinity group organized Semi technical event ‘Logo Quest’. It consists of 2 rounds

Round 1:

Timings:12PM to 12:30PM

Logos will be presented, and participants are supposed to recognise what or whom the logo represents.

It was conducted in QUIZZZ website in online mode

For round 1,20 questions were given, each question to be answered within a duration of 30 seconds

Total no of participants: 05

No of students selected for round 2: 3

Round 2:

Timings: 02:30PM to 3 PM

Companies/Enterprises names are presented, and participants are supposed to recognise the logo that represents the respective companies.

It was conducted in QUIZIZZ website in online mode

20 questions were given, each question to be answered within a duration of 10 seconds

Those who answered more correct answers in less time declared as the winner

Winners:

1st place: Beeram Nithin , MVSR Engineering College

2nd place: Dandala Srividya, MVSR Engineering College

XIV: PROJECT EXPO

The Project expo was organised on the occasion of Technovanza 2022, under the IEEE Circuits and Systems Society and Department of Electronics and Communication Engineering (MVSREC) on 29th April 2022.

Project Expo was organized by the faculty coordinators of department of ECE along with IEEE student coordinators of the event. This exhibition provided a unique platform to the participating students for their innovations and new experiences with the community.

Project Prototypes prepared by students focusing on real world problems in the areas of IOT, Cyber Security, Web Technologies and Embedded Systems attracted the evaluators and students. 44 Students participated in the Project Expo and more than 15 projects were displayed.

Finally, after successful completion of Project Expo, in the valedictory event selected top 3 projects were awarded with cash prizes and appreciation certificates.



Project presentation to the panel members

Visitors at Project Expo

XV: TECH TRIVIA

Date: 28th April, 2022.

Time: 8:00 pm – 9:00pm

Participants: 33

Mr. Srihith, Treasurer, IEEE MVSR SB CASS Student Chapter and organizer of the event, gave a brief introduction about himself and his co coordinator, Ms. Keerthi. He explained in detail about the quiz and the platform it was conducted on.

Mr.Srihith has answered the questions and clarified the doubts asked by the participants about the quiz.

Mr. Srihith has briefly explained about the questions, name of the application(Quizizz) and started the quiz by sharing the game pin which is required for participants to join. Several participants have joined the quiz by entering the pin and have participated actively. Questions related to the basics of computer hardware, software and micro controllers were asked and the winners were chosen by the application itself. They were informed about the time given to each question(which was set by the organizers) and also the conditions of the quiz

A total of 35 questions were given in the quiz and 30 seconds of time was given to answer each question. After the completion of the quiz, the winners were announced.

The details of the winners were collected and the meeting was closed following a vote of thanks by Mr.Srihith.



Status of the leaderboard being displayed to the participants

Technovanza 2k22 valedictory:

Technovanza valedictory session was initiated by Mr. K. Uthej, Vice Chairperson, IEEE MVSR SB and Ms. P. Shruthi, Chairperson, IEEE MVSR SB CASS Student Chapter, welcoming Mr. T. Vidya Sagar, Chief guest, Mr. Mallelu Sai Prashanth, Guest of honour, Dr. G. Kanaka Durga, Principal MVSR Engineering College, Dr. D. Hari Krishna, IEEE MVSR Student Branch Counsellor, Mrs. Saritha, IEEE MVSR SB CS Student chapter Advisor, Mrs. Vijaya Vahini, IEEE MVSR SB WIE Affinity Group Advisor, Mrs. S. Aruna, IEEE MVSR SB CASS Student Chapter Advisor and all the attendees.

Followed by this a welcome song and dance were performed. Later the guests were invited to the lighting of the lamp. Then Dr D Hari Krishna, IEEE MVSR SB Counsellor, provided the summary of Technovanza 2k22. He has highlighted the importance of this flagship event Technovanza. He has explained the progress and journey of IEEE MVSR SB, the awards, rewards and all the achievements received by the student branch and urged them to continue their good work. He has also thanked the management, principal, all Heads of Departments, all the faculty members, IEEE students and all the participants from various colleges for their continuous support in successful conduction of this event. He has expressed his regards to IEEE Hyderabad Section for their continuous support and advices in conducting various events in the student branch.

Mr Uthej then invited Dr G Kanaka Durga, Principal, MVSR Engineering College to address the gathering. Dr. G. Kanaka Durga lauded the efforts of SB Counsellor, Student Chapter Advisors, Executive Committee members and event coordinators for organizing Technovanza-2k22 successfully. She assured them her support for future endeavors.

Later Mr. Mallelu Sai Prashanth, was invited to address the gathering. He is the block chain developer at Tech Mahindra, Hyderabad and AI Developer Intern at Smart Bridge. He is presently contributing as a chair of IEEE Vardhaman College of Engineering Educational Society Chapter. He is also region webinar and training coordinator for IEEE R10 Student Activities Committee and Coordinator for IEEE Collabratic. He served as social media and publicity coordinator for IEEE region 10 Student activities committee where he committed and was able to make a good impact under the guidance of SAC. Mr. Sai Prasanth has applauded the student branch and all the Excom members for the successful conduction of events. He has also advised the IEEE students to explore IEEE and derive maximum benefits from IEEE.

Then Mr. T. Vidya Sagar addressed the gathering. Mr. Vidya Sagar Tejomurtula is a Senior Member in IEEE Hyderabad Section and Chair of IEEE SAC (Student Activity Committee), Hyderabad. He also worked as Past Chair for IEEE CS (Computer Society), Hyderabad. He is a Member of ICDT, FTCCI (Federation of Telangana Chamber of Commerce and Industry) and member of Board of Studies, Vardhamaan College of Engineering (Autonomous). He is also an Executive Member of ISOC (Internet Society of Hyderabad). Mr. Vidya Sagar has congratulated the IEEE MVSR SB for its achievements and informed that he was very happy with the progress of this SB.

Later, the guests were felicitated by Dr G. Kanaka Durga and Dr D Hari Krishna. Mementoes were presented to judges of various events by Mr. T. Vidya Sagar.

Followed by this, prizes were distributed to event winners by Dr. G. Kanaka Durga, Mr. Sai Prashanth and Dr. D. Hari Krishna. At the end everyone was invited to join for a group photo. Vote of thanks was proposed by Ch. Sai Teja, Chair, IEEE MVSR SB, which marked the end of valedictory ceremony.

REPORTED BY:
IEEE MVSR