The closing ceremony of Diamond Jubilee (60th Anniversary), celebrated by CSIR-CRRI during the period from 16th July, 2011 to 16th July, 2012, was held on July 16, 2012. The occasion was inaugurated Sh. Mangu Singh, MD, DMRC who was the chief guest. Sh. P.N. Jain, President, Indian Roads Congress and Sh. C. Kandasamy, DG (RD) & Special Secretary (MORTH) graced the occasion as distinguished guest and guest of honour respectively. A document on ‘60 Years of CRRI Journey - A Bird’s Eye View’ highlighting the inception & planning of CRRI, CRRI capabilities, thrust R&D areas and achievements etc. was released by Sh. C. Kandasamy, DG (RD). Sh. P.N. Jain, President IRC released a brochure on ‘CRRI - A Profile’ depicting information on R&D areas, achievements, facilities etc. of each division/section. A Souvenir containing messages of good wishes from dignitaries, papers/articles and advertisement of general interest was released by Sh. Mangu Singh,
After the Inaugural Session of Closing Ceremony, a Round Table on 'CRRI's Contributions in Nation Building' was also held in which the former Directors of CSIR-CRRI namely Dr. M.P Dhir, Prof. D.V Singh, Prof PK. Sikdar and Dr. Vikram Kumar participated and presented their views. In addition, a workshop on 'Road & Transportation Challenges in India' was organised, in which former Heads of various R&D Divisions/Senior Scientists shared their experience and knowledge with the delegates. The celebration ended with Vote of thanks by Sh. Sudhir Mathur, Chief Scientist, CSIR-CRRI. On this occasion an exposition of 60 years landmark journey made by CRRI was also arranged for the benefits of delegates.
The draft Delhi Master Plan-2021 emphasizes the need for development of multi-modal transport system, with an optimal mix of rail and road based system. Integrated multi-modal public transport system highly depends on access and egress parts of the trip. However, for comparing different public transport trips in terms of carbon footprint; consideration of these important parts i.e. access & egress trips along with the main line haul trip is lacking from traditional methods of estimation of carbon footprint. The main aim of this study is to include access and egress parts of the public transport trips (i.e. bus and metro) in carbon footprint estimation. For this study, field work was carried out from 22nd Nov to 2nd Dec 2010 which included passenger interview survey done at 77 metro stations along with corresponding bus stops for a comparison between the two public transport modes (Figure 1). The passenger interview survey includes the details of complete trip profile data collected through the stated information regarding distance and time and cost spent for each part of the trip (i.e. access, egress and main haul line). Further, these data have been categorized based on number of segments which exists in a trip (no. of segments = 3, 4, 5, 6 and 7) and modes used for making main haul line trip (i.e. bus and metro) as well as access and egress trips (i.e. walk, rickshaw, auto, two wheeler, car, bus). The surveyed areas were selected with an objective to collect samples from different socio-economic background. These areas were selected in manner which are spatially.
the entire trip from origin to destination and the mode used in each segment (Figure 2). The energy and CO2 emissions from each segment are thus estimated to derive the final emissions from the trips. The average emission factors for Indian vehicles have been developed by the Automotive Research Association of India (ARAI) in 2008. Fuel specific emission factors in terms of grams per passenger per kilometre have been estimated in this study based on average vehicular occupancy and vehicle kilometre travelled, to derive the mode and fuel specific carbon footprint.

Calculated emission factors have been further used to estimate the carbon footprint of commuting by bus and metro users. This has been done for two scenarios i.e. Scenario 1 (Business As Usual) and Scenario 2 where all motorized access and egress trips with the trip length of less than 2 kms have been converted into non-motorised trips. Results indicate that the reduction of CO2 emission from the access and egress parts of trips can be 166.49 gms/km for bus users and 203.46 gms/km for metro users in case of scenario 2.

Dust Measurement and Monitoring Techniques

Dust is a generic term used to describe fine particles that are suspended in the atmosphere. Dust emitted due to construction is a big problem for the health and environment at construction sites. In India, there is a regulation that dust concentration during construction must be less than 2.5 mg/m3. Dust measurement and the monitoring with traditional techniques is expensive and this requires development of innovative engineering techniques. In this regard, several research and development studies have taken place worldwide to develop techniques for dust monitoring and protection measures at construction sites.

Construction sites in Japan use digital camera based methods for dust measuring and also to provide appropriate protection measures. Prof. Shinji, introduced the Mobile Phone Camera based dust monitoring system in Japan in 2011. This new method is more economical, easy to perform, handy and also has high correlation with digital dust indicator. In this method, a mobile phone camera is installed in a typical dust collection box, which is used to take a flashed picture and calculates dust concentration immediately and also displays the values. By using Artificial Neural Networks (ANN) techniques, the flash pictures are processed and dust density estimated. Figure 1 presents the methodology for dust concentration measuring system using ANN techniques. The dust concentration measured by this method is compared with the traditional dust concentration measures such as Digital Dust Indicators (DDI) for the purpose of its validation and reliability.

This method was introduced in India for the first time at the open cut construction site of Bangalore Metro Rail project to examine its significance in measuring dust concentration. The protection measures against dust particles are applied depending on the dust density measured by this method. The proposed dust monitoring method brings out a new procedure for effectively executing environmental management practices at the construction sites. JICA, Japan and CSIR-CRRI has evaluated the systems acceptability and brought about safety awareness level among various stakeholders at the construction site.
The recent growth in economic activity and average incomes have resulted in increased mobility and motorization in the metropolitan cities of India with Delhi leading the pack. To address the increased need for transport infrastructure and services, Government of National Capital Territory of Delhi (GNCTD) has launched several infrastructure projects, including the construction of metro system, Bus Rapid Transit System (BRTS), new roads and flyovers etc. The BRTS initiative undertaken by GNCTD was realized as a pilot project (spanning for 5.8 Km) on April 20th 2008 when a BRTS stretch, starting from the junction of signal-controlled Mehrauli - Badarpur Road (near Ambedkar Nagar), running through J.B. Tito Marg in South Delhi and ultimately terminating before Mool Chand Hospital Intersection on the Inner Ring Road, got commenced. This study is in response to the Public Interest Litigation (PIL) Case filed by M/s. Nyaya Bhoomi, Versus Government of NCT of Delhi, as the Honourable High Court of Delhi passed an order directing the Transport Department of GNCTD to carry out an evaluation of the BRTS corridor and to report back to the Honourable High Court.

At the instance of the above Court Order, the Transport Department, GNCTD requested CSIR-Central Road Research Institute (CRRI), New Delhi to undertake the study towards evaluation of performance of BRT corridor conforming to the Terms of Reference (TOR) prepared by Transport Department, GNCTD. Complying with the request of Transport Department, GNCTD and the Court order, CSIR-CRRI carried out an exhaustive list of surveys/studies on the BRT corridor and also selected traffic studies on other adjoining Non-BRTS road sections in Delhi. The studies conducted include intersection traffic volume counts, Mid-block counts, Speed and delay studies, Spot Speed studies, Queue Length and Saturation Flow Studies, Pedestrian Volume counts at strategic locations, Parking studies, Users Perception of the BRT corridor, Fuel Consumption studies using probe vehicle and Bus Passengers Boarding / Alighting studies etc.
Based on the results derived from the above mentioned surveys, the efficacy analysis of allowing other vehicles to ply on the BRT corridor on experimental basis was accomplished as per the Court order which was outlined in the TOR as well and presented in a report submitted to the Hon’ble Court. This study also brought out detailed account of the performance measures derived under ‘normal BRT’ operations and ‘experimental trial run' operations. Further, the report also presents the results of simulation experiment aimed at assessing ‘with’ and ‘without' BRTS scenarios, as mandated by the court as well as indicated in the ToR.

The recommendations emanating out of the study have been presented in two parts. The possible improvement measures in the form of traffic engineering measures and bus route rationalization measures suggested in the report are mainly aimed at enhancing the safety of road users in the event of continued operation of road under 'normal BRT' mode of operations. Secondly, the traffic impact evaluation of the proposed capacity augmentation measures (considered by the apex body like UTTIPEC) in the form of ‘New Link connecting Saket...
Effective Utilization of available Road Space during the Experimental Trial Run

12th Five Year Plan Projects

CSIR-CRRI has undertaken three projects in the 12th Five Year Plan period in the niche area of its R&D activities which include development and application of technologies for sustainable transportation system (SUSTRAN); Development of highway capacity manual for Indian conditions (Indo-HCM); and Economic evaluation of fuel loss at signalized intersections and mitigation measures (ELSIM). In addition, the Institute has also taken up network projects with other CSIR laboratories to carry out research studies in the interdisciplinary areas such as development of underwater robotics; Landslides and mitigation measures; and Environmental related issues. The major objectives of 'SUSTRAN' are to develop sustainable and integrated mass transportation system including non-motorised modes, application of ITS, driver simulation system, use of marginal/waste/alternate materials in construction of roads. The research work on 'Indo-HCM' is to study the nationwide characteristics of road traffic towards bringing out a manual for determining the roadway capacity and Level Of Service (LOS) for varying types of roads. The project ‘ELSIM’ is aimed at evolving project evaluation methods and development of guidelines for economic evaluation of road projects.

with Outer Ring Road’ scenario has been evaluated. Moreover, traffic impact evaluation of different scenarios like ‘with’ and ‘without BRT’ on the study corridor has been evaluated through critical comparison of the essential performance measures. It is hoped that the recommendations/report will be of immense use to the Honourable High Court while taking decision on the PIL as well as for the Transport Department, GNCTD towards ensuring safe and efficient movement of people on the study corridor.
The use of various reinforcements to improve the tensile capacity of soils has been widely used in many soil structures, especially in the construction of reinforced earth walls, reinforced slopes, embankments on soft soils, vertical landfills and foundation soils. The interface friction between the soil and geosynthetics/G.I strips is a very important factor for design of these structures. The use of reinforcements will provide additional tensile and shear strength in the soil mass through the reinforcement, which will increase the strength of soil-reinforcement mass, and hence reduce the horizontal deformations, and thereby increase the overall stability of structure. The interaction between reinforcement (artificial inclusions) and soil is a key consideration in the effective design of mechanically stabilized earth (MSE) structures.

Pullout testing of reinforcement buried in soil and element-level direct shear testing of soil-reinforcement interfaces have been the primary tools in generating the data required to understand the fundamentals of soil-geotextile interaction, and thereby to select reinforcement with appropriate strength, stiffness, thickness and surface properties for a given application.

Pullout testing (ASTM D 6706) is one method in which interaction properties of geosynthetics with backfill are determined. A common method of interpreting pullout test results is in terms of interaction coefficient, $C_i$, which compares the effective strength of soil-geosynthetic interface to the shear strength of soil.

CRRI and AIMIL have jointly fabricated large size pullout test apparatus recently which is very useful in determining the interface friction coefficient between Geosynthetics/G.I strips with different backfill materials.
**Workshop on Advance Solutions for Building Cost Effective Quality Roads**

CSIR-CRRI in association with AIMIL – TROXLER organized a workshop on ‘Advanced Solutions for Building Cost Effective Quality Roads’ on April 4, 2012. The purpose of the workshop was to update the Highway Engineers, Researchers and all related Professionals about technologies and products globally available to help them in their endeavors to build good quality roads.

**Workshop on Business Writing Skills**

A workshop on “Business Writing Skills” was organized at CSIR-CRRI on May 4, 2012 by M/s Hero Mindmine Institute Ltd, Gurgaon with the objective to highlight common errors in written communication; to highlight some common language errors, tenses, articles, prepositions, verbs & conjunctions and understanding the art of compressing etc. Thirty staff members attended the workshop.

**Workshop on Gender Sensitivity**

A one day workshop on 'Gender Sensitivity' was organized by M/s Hero Mindmine Institute Ltd, Gurgaon for staff of CRRI on April 30, 2012. The objective of this workshop was to instill sense of belongingness in the employees and strengthen employee’s relations without gender bias or harassment, to instill commitment to achieving the organization’s goals collectively, with collaboration and work balance; to create and sustain a fear free workplace environment where employees of either gender are able to work with dignity and honor; etc. Twenty-nine staff members attended the workshop.

**Seminar on Research in Sustainable Transportation Planning**

A half day Seminar on ‘Research in Sustainable Transportation Planning’ was organized by CSIR-CRRI on May 28, 2012 in association with Transportation Research Group of India (TRG) to celebrate its Foundation Day. The workshop was attended by about 25 officials from IIT, Delhi; CSIR-CRRI; IISC Bangalore etc. The workshop was inaugurated by Dr. S. Gangopadhyay, Director CSIR-CRRI. Dr. Ashish Verma, President TRG and Asstt. Professor, Department of Civil Engineering, IISC Bangalore, highlighted the Role of Transportation Research Group of India in promoting Transportation Research in India.

Presentations were made by Dr. E. Madhu, Scientist, CSIR-CRRI; Dr. R.R. Kalanga, Associate Professor, Deptt. of Civil Engineering, IIT Delhi and Dr. Ashish Verma from IISC, Bangalore. The Seminar was concluded with Vote of Thanks by Dr. S. Velmurugan, Scientist, CSIR-CRRI & Executive Secretary, TRG.
A workshop-cum-training was organized at the CSIR-Central Road Research Institute, New Delhi, on May 8-11, 2012. The workshop was attended by 45 delegates which included officers from NHAI, Project Directors of the respective packages, Independent Engineers and CRRI audit team.

Dr. S. Gangopadhyay, Director, CSIR-CRRI, New Delhi welcomed the delegates and gave his welcome address. Dr Nishi Mittal, Head, Traffic Engineering and Safety Division briefed about the scenario of accident and details of road safety training programmes being conducted by CSIR-CRRI. Shri Man Mohan Rawat, Team Leader, AECOM gave a background to the project and spoke about the objectives of the workshop.

The inaugural address was delivered by Shri C.S.Verma, DGM (RSC), NHAI. Shri Verma explained about various road safety activities and safety activities initiated in various projects all over India and also mentioned that AECOM Ltd has been awarded 4 packages covering the state of Haryana. The inaugural session concluded with Vote of Thanks proposed by Shri T. K. Amla, Head ILT, CSIR-CRRI, New Delhi. The four-day meet comprised of presentations on various aspects of road safety/road safety audits.

One Day training-cum-workshop on ‘Public Dealing Etiquette and Customer Focus’ was organised by M/s. Hero Mindmine Institute Limited, Gurgaon for the Gr.-I & Gr.-II staff members of CRRI. The workshop was organised in two batches i.e. on Sep. 5th and on 7th, 2012 which was attended by a large number of CRRI Staff.
CSIR-CRRI and Cement Manufacture's Association (CMA) jointly organised a Seminar on 'Cement Concrete Road and White Topping' on Aug 24, 2012. The seminar was attended by 125 delegates representing various organizations from Cement Industries and Ministries etc.

The seminar was inaugurated by Lt. Gen S. Ravi Shankar, PVSM, VSM, Director General - Border Roads, while Sh. N.A Viswanathan, Secretary General, CMA was the Guest of Honour. Dr. S. Gangopadhyay, Director, CSIR-CRRI extended warm welcome to the dignitaries and delegates.

Dr. Gangopadhyay congratulated CMA and CRRI for conducting such a useful seminar on a topic which is of utmost importance and hoped that this meet will evolve emerging trends of using concrete as a paving material for sustainable road infrastructure development in the country.

Sh. N.A. Viswanathan, Secretary General, CMA mentioned that cement concrete roads have a long life, since no expenditure on maintenance is required through their design life.

Lt. Gen S. Ravi Shankar, PVSM, VSM, DGBR stressed the need to develop technologies for maintenance of hill roads after landslide has occurred.

On this occasion, a Souvenir containing papers/articles on cement concrete roads was released by the Chief Guest. Presentations were made by various experts namely Dr. L.R. Kadiyali; Col. A.K. Bhasin, J.P. Associates; Sh. Rajiv Gauri, Reliance Industries Ltd.; Sh. A.K. Jain, Ultra Tech Cements Ltd.; Sh. R.K. Jain, Ex-Chief Engineer, Haryana PWD; Sh. V.R. Thombre, MCGM, Mumbai and Sh. L.K. Jain, NINA Concrete System Pvt Ltd.
CSIR Foundation Day

CSIR Foundation Day was celebrated on Sep. 25, 2012. Dr. P.K. Anand, Secretary, Rural Connectivity, MORD and Director-General, National Rural Roads Development Agency, New Delhi was the Chief Guest for the main function and delivered the Foundation Day Lecture on “Application of Game Theory in PMGSY”. Dr. Anand mentioned the basic components as well as economic application of Game Theory. In his lecture, he highlighted various issues related to PMGSY such as current implementation status, works procurement, features of Standard Bidding Document and its adoption, and the process of starting work etc.

Prizes were given away by the Chief Guest to the winners of various competitions organised earlier for the children of employees. The employees of CRRI, who had completed 25 years of service in CSIR and those who had retired during Aug. 2011 to Sep. 2012, were also honoured and mementoes presented to them by him. The function was graced by the invited guests, fellow scientists, employees, and ex-colleagues of CRRI.

Research Council Meeting

The 110th Meeting of CSIR-CRRI Research Council, chaired by Prof. D.V. Singh, was held on April 11, 2012. The meeting was attended by HODs of various R&D Divisions and Project Leaders of the R&D studies. Twelve Presentations were made by the Scientists which included 11th Plan Project, Major facilities and on-going Lab. Projects.

1. Mr. Michel Drouilly (Technical Manager) and Mr. Olivier Dumoulin (Incharge, Business in India) of M/s. Axter (a group company of Colas S.A. France) made a technical presentation on April 17, 2012 on "Polymer Modified Bitumen Membrane for Water Proofing System in Bridges, Viaducts and Civil Engineering Structures with Concrete Structures."

2. Seventeen trainees of UP Police, attending the training programme organized by Road Safety Cell, the Educational Wing of Delhi Traffic Police, visited CSIR-CRRI on May 7, 2012.
The Institute organised following training courses/programmes for in-service highway engineers:

- Road Safety Audit, August 20-23, 2012.
- Design, Construction and Maintenance of Flexible Pavement, September 3-7, 2012
- Geotechnical and Landslide Investigations for Highway Projects, September 24-28, 2012

The Institute organized following customized training programmes:

- On the request of Rural Engineering Department, Govt. of UP, a customized training programme on "Flexible and Rigid Pavements for Rural Roads under PMGSY" was organized in two batches:
  (i) April 9 to 14, 2012 - 1st Batch
  (ii) May 7 to 12, 2012 - 2nd Batch
The Institute participated in the following exhibitions and depicted its expertise, capabilities and R&D achievements.

1. 16th National Science Exhibition on 'India Marching Towards an Advanced Nation', Organised by Central Calcutta Science & Culture Organisation for youth at Kolkata from September 7 to 11, 2012.

2. 13th International Conference on "Mobility and Transport for Elderly and Disabled Persons (TRANSED 2012)" at New Delhi from September 17-20, 2012.

On the request of National Rural Roads Development Agency, a Customized Training Programme was organised on "Project Preparation, SBD, Quality Assurance and Maintenance of Rural Roads" for the Field Engineers involved in PMGSY in four batches.

i) July 2-6, 2012 - 1st Batch
ii) August 27-31, 2012 - 2nd Batch
iii) September 10-14, 2012 - 3rd Batch
iv) September 17-21, 2012 - 4th Batch

On the request of PWD, Govt. of Meghalaya, CSIR-CRRI organized a customised training programme on "Contract Management and Quality Control Aspects" for the contractors and young engineers of PWD at Tura and at Shillong from 28 to 30 May, 2012 and May 31 to June 2, 2012 respectively.
Re-structuring of R&D Divisions

Transportation Planning and Environment Division (TPE) has been restructured and divided into two different divisions w.e.f. April 1, 2012, as shown below:

- Transportation Planning Division
  Headed by Dr. Purnima Parida
- Environmental Science Division
  Headed by Dr. Anil Singh

The Road Development and Management Division has been abolished w.e.f. April 1, 2012 and staff from this Division have been placed in the various divisions of their interest.

New Area Advisors/Divisional Heads

The following positions have been effected since April 1, 2012.

- Sh. Sudhir Mathur, Chief Scientist
  Advisor, Planning and Policies Implementation
- Sh. B.M. Sharma, Chief Scientist
  Advisor, R&D Management
- Sh. U.K. Guru Vittal, Sr. Principal Scientist has taken over as Head, Geotechnical Engineering Division.

Promotions / Assessment

The following staff members are congratulated on their promotion to the next higher scale/grade:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Name of the Staff</th>
<th>New Designation (on Promotion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr.(Ms) Nishi Mittal</td>
<td>Chief Scientist</td>
</tr>
<tr>
<td>2.</td>
<td>Sh. Harcharan Singh</td>
<td>Pr. Tech. Officer</td>
</tr>
<tr>
<td>3.</td>
<td>Sh. Y.V. Rao</td>
<td>Pr. Tech. Officer</td>
</tr>
<tr>
<td>4.</td>
<td>Sh. Alind Saxena</td>
<td>Sr. Tech. Officer (3)</td>
</tr>
<tr>
<td>5.</td>
<td>Ms. Usha Kiran</td>
<td>Sr. Tech. Officer (2)</td>
</tr>
<tr>
<td>6.</td>
<td>Sh. Rishi Pal Saini</td>
<td>Sr. Tech. Officer (2)</td>
</tr>
<tr>
<td>7.</td>
<td>Ms. Rita Rani</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>8.</td>
<td>Sh. B. Rajasekhar</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>9.</td>
<td>Sh. Gajendra Kumar</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>10.</td>
<td>Sh. S.S. Mariapan</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>11.</td>
<td>Ms. Kamini Gupta</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>12.</td>
<td>Sh. Girish Sharma</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>13.</td>
<td>Sh. Pankaj Goel</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>14.</td>
<td>Sh. Sunil Grover</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>15.</td>
<td>Sh. Shankh Das</td>
<td>Sr. Tech. Officer (1)</td>
</tr>
<tr>
<td>16.</td>
<td>Sh. R. Rangarajan</td>
<td>Gr. III (6)</td>
</tr>
<tr>
<td>17.</td>
<td>Sh. Om Prakash</td>
<td>Sr. Tech(1)</td>
</tr>
<tr>
<td>18.</td>
<td>Sh. Tara Chand</td>
<td>Technical Officer</td>
</tr>
<tr>
<td>19.</td>
<td>Sh. Manpreet Singh</td>
<td>Technical Officer</td>
</tr>
<tr>
<td>20.</td>
<td>Sh. Sat Pal Rana</td>
<td>Tech. Assistant</td>
</tr>
<tr>
<td>22.</td>
<td>Sh. Puroshotam Lal</td>
<td>Asstt. (Gen.) Grade-I</td>
</tr>
<tr>
<td>23.</td>
<td>Sh. Manoj Kumar</td>
<td>Asstt. (Gen.) Grade-I</td>
</tr>
</tbody>
</table>

Retirements

The following staff members have retired from the service of the Institute during the period. CRRI welfare committee organized farewell party to bid them farewell.

- Sh. R. Rangarajan Gr. III (6) 30-4-2012
- Sh. Deepak Mukharjee Principal Scientist 31-8-2012
- Sh. Sh. Puroshotam Lal Asstt. (Gen.) Gr.I 31-8-2012
- Dr. S. Saha Principal Scientist 30-9-2012

Welcome on Joining CRRI

- Sh. Mukesh Khanna, SPO April 27, 2012
- Sh. Avanish Kumar, SO (F&A) June 8, 2012
- Ms. Indu Rani, Senior Stenographer Aug. 22, 2012

हिंदी कार्यशाला का आयोजन

कम्प्यूटर द्वारा हिंदी में कार्य करने के लिए संस्थान में दिनांक 27.6.2012 को एक विविध संयुक्त हिंदी कार्यशाला का आयोजन किया गया। इस कार्यशाला में व्याख्यान देने और अभ्यास करने के लिए मैथिली, बंगाली, हिंदी, उर्दू, गुजराती, तमिल, ओडियन, केरली, मलयालम और अर्थशास्त्रियों के अनुभवित अधिकारियों व विद्वानों के श्रेष्ठ सेवकों के सहयोग से संबंधित अनुभवित अधिकारियों व विद्वानों द्वारा कार्यशाला का आयोजन किया गया।
हिंदी सप्ताह

सीएसआईआर–सीआरआरआई, नई दिल्ली में दिनांक 14 से 21 सितंबर 2012 तक हिंदी सप्ताह का आयोजन किया गया। हिंदी सप्ताह के दौरान निकट २०, अनुभव काशन, शोधपत्र प्रस्तुतीकरण, वादविवाद प्रस्तुतियों एवं माध्यम प्रतियोगिता का आयोजन किया गया। इन प्रतियोगिताओं में संस्थान के लगभग १२० कर्मचारियों ने भाग लिया। दिनांक 14 सितंबर 2012 को आयोजित उद्धार समारोह में डॉ. धनराज सिंह, पूर्व उपसंपादक, कादिबनी मुख्य अधिकारी के रूप में सम्मानित हुए। उन्होंने सहज रूप से संस्कृति के प्रमुख पर बल दिया तथा बताया कि हिंदी का भविष्य उच्चतम है। व्यापारीकरण के कारण अन्तर्राष्ट्रीय कंपनियों भी अब अपने उत्पादों का हिंदी में प्रचार कर रहे हैं।

दिनांक 21 सितंबर 2012 को समापन समारोह एवं पुरस्कार वितरण कार्यक्रम का आयोजन भी किया गया। इस अवसर पर प्रो. सचिव, मुख्य, माध्यम परिवार, लाल बहुदर शास्त्री संस्कृति विश्वविद्यालय ने मुख्य अधिकारी के रूप में समारोह की श्रीमती बाबाहू बढ़ई। उन्होंने माध्यम और जीवन मूल्यों के परस्पर संबंध पर अपने विचार रखे तथा बताया कि माध्यम की इच्छा भी समाज के जीवन मूल्यों की वाहक होती है। इसके साथ से जीवन मूल्य एक पीढ़ी से दूसरी पीढ़ी में स्थानान्तरित होते रहते हैं। इसलिए हम सबको अपनी मातृभाषा के साथ साथ भारतीय भाषाओं का भी प्रबंध एवं विकास करना चाहिए। इसका अभियान है अंत: इसका अभियान अलग एवं विशेष महत्त्व है और हम सबको इस भाषा के प्रति अपने उत्साहदीप्त का प्रचार करना ही चाहिए।

समारोह में हिंदी में उल्लेखनीय कार्य करने एवं अनुसंधान पत्र प्रकाशित करने वाले कर्मचारियों तथा विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार प्रदान किये गए। डॉ. एस. गंगोपायण, निदेशक, सीआरआरआई ने उद्धार समारोह द्वारा समापन कार्यक्रम की अध्यक्षता की। उन्होंने सांस्कृतिक कार्यक्रम के माध्यम से हिंदी के प्रचार–प्रसार पर बल दिया। श्री जितेंद्र पारशार, प्रशासन नियंत्रक महाद्वार ने हिंदी के प्रचार–प्रसार के लिए सामूहिक प्रयास करने की आवश्यकता बताई।

सम्पादक मंडल
संस्थापक : डॉ. एस. गंगोपायण, निदेशक
सम्पादकः
श्री अ.एम. शम्भ, मुख्य, वैज्ञानिक, डॉ. जी. एम. वैज्ञानिक, एवं मुख्य, वैज्ञानिक एवं प्रशिक्षण
श्रीमती अनिता अरोरा, तन्कनिकी अधिकारी; श्री मुकेश कुमार गीता, वैज्ञानिक
प्रबंधकः
श्री अशोक कुमार