LIST OF PUBLICATIONS

(Total Number of Papers in Journals=84)

NATIONAL JOURNALS

2014


2016


INTERNATIONAL JOURNALS

2014


2015

40. B.P. Singh, Isotopic composition of water in precipitation due to seasonal variation and variation in intensity of rain fall at a place, Applied Radiation and Isotopes, Volume 95, January 2015, Pages 72–75, ISSN: 0969-8043


54. R. Mehta, N. Rajpal and V. P. Vishwakarma, “Adaptive image watermarking scheme using fuzzy entropy and GA-ELM hybridization in DCT domain for copyright protection”, J. Sig. Proces. Syst., First online: 19 October 2015, pp. 1-17, ISSN: 1939-8115 (Online)


57. M. Mittal, S. Pareek and J. Singh," Modified Replenishment Policy for Multi-Item Inventory of Imperfect Quality Items using ABC Classification and Cross Selling Effect", Int. J. Data Sc., Forthcoming article, 2015, ISSN: 2053-082X (online); 2053-0811(print)


61. D. Shin, R. Guchhait, B. Sarkar and Mandeep Mittal, Controllable lead time, service level constraint, and transportation discounts in a continuous review inventory model, RAIRO - Operations Research, Jan.-March 2016, ISSN: 0399-0559. 1290-3868e


65. Vyoma Bhalla, Devraj Singh and S. K. Jain, Mechanical and thermophysical properties of cerium monopnictides, Int. J. Thermophys., Vol. 37 (33), pp. 1-17, S March 2016, SCOPUS, ISSN: 0195-928X (Print) 1572-9567 (Online)


76. Satya Prakash, A. Gupta, R. Garg, B. Tanwar, D. Kaushik, and S. Aggarwal, Pareto Optimal Solutions providing optimal routes between every two different nodes in the cost-time trade-off routing network without the objectives being prioritized, OPSEARCH, Vol. 53, pp. 778-807, September 2016, ISSN:


78. R. Sham, Rajesh Kumar Saluja, G. Singh, V. Kumar, S. Parmar, Experimental investigation to study the effects of using hot and partially cold EGR in direct injection diesel engine, Technology, Vol. 4(3), pp. 170-173, September 2016, Online ISSN: 2345-7740 Print ISSN: 2339-5478

80. Anil Kumar and R. Kumar, Comparative thermodynamic analysis of compact cogeneration and triple-effect refrigeration cycles, Int. J. Amb. Energy, September, 2016, Print ISSN: 0143-0750 Online ISSN: 2162-8246


83. Ashok Kumar Yadav, Rajesh Mehta, R. Kumar, V. P. Vishwakarma, Lagrangian Twin Support Vector Regression and Genetic Algorithm based Robust Grayscale Image Watermarking, International Journal of Multimedia Tools and Applications, Accepted, ISSN 2334-6043. DOI: 10.2298/YJOR150417007S

84. S. Singh, Renu Tuli, D. Sarode, A Review on Fuzzy and Stochastic Extensions of the Multi Index Transportation Problem, Yugoslav J. of Operations Research, Accepted
CHAPTERS IN BOOKS (Total Number of Chapter=04)

2014


2016


CONFERENCE PROCEEDINGS (Total Number of Papers=11)

2014


8. V. Kumar, A. N. Sharma, N. Taneja, H. Sharma,”Optimal strategy for determining pricing policy of a product under the influence of reworking during production” Proceedings of 3rd International Conference on Reliability, Infocom Technologies and optimization(ICRITO), IEEEExplore , Noida, pp.1-6,2014,
2016


BOOKS (Total Number of Books=23)

2014


2015


# IPR

## List of Patents

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title</th>
<th>Name</th>
<th>Application No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Suspended Feedback Design of Adaptive Noise</td>
<td>Ms. Rachana Nagal (Assistant Professor, ASET) + Mr. Vaibhav Narula (Alumni)</td>
<td>14202/DEL/2013</td>
</tr>
<tr>
<td>2.</td>
<td>A bottle with push button controlled base</td>
<td>Ms. Vishesh Garg + Mr. Amar Arora (Assistant Professor, ASET)</td>
<td>3186/DEL/2012</td>
</tr>
<tr>
<td>3.</td>
<td>New Interleaver Design for Turbocodes</td>
<td>Ms. Shivani Verma (Assistant Professor, ASET)</td>
<td>232/DEL/2013</td>
</tr>
<tr>
<td>4.</td>
<td>An improved Walking Aid Seating Arrangement for Disable Person With a Sensor and GPS System</td>
<td>Dr. Shashi Chawla (Assistant Professor, ASET)</td>
<td>1443/DEL/2013</td>
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<tr>
<td>5.</td>
<td>Automatic Viscometer</td>
<td>Dr. Shashi Chawla (Assistant Professor, ASET)</td>
<td>1515/DEL/2013</td>
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<tr>
<td>6.</td>
<td>An Improved Measuring Cylinder with Sensor</td>
<td>Dr. Shashi Chawla (Assistant Professor, ASET)</td>
<td>1516/DEL/2013</td>
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### Provisionally filed:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title</th>
<th>Name</th>
<th>Application No.</th>
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<tbody>
<tr>
<td>7.</td>
<td>Robotic arm with gripper for spot welding</td>
<td>Mr. Ritesh Kumar (Assistant Professor, ASET)</td>
<td>3590/DEL/2012</td>
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<tr>
<td>8.</td>
<td>A system and method for real time GPS Tracking</td>
<td>Mr. Vijayanand Kumar (Assistant Professor, ASET)</td>
<td>3590/DEL/2012</td>
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<tr>
<td>9.</td>
<td>Multirate turbo code based image transmission</td>
<td>Mr. Deepak Gambhir (Assistant Professor, ASET)</td>
<td>491/DEL/2013</td>
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<tr>
<td>10.</td>
<td>A Robotic arm with gripper and end effectors for spot welding</td>
<td>Mr. Ritesh Kumar (Assistant Professor, ASET)</td>
<td>2412/DEL/2013</td>
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<tr>
<td>11.</td>
<td>An improved system and method for steering controlled headlights</td>
<td>Mr. Rajesh Saluja (Assistant Professor, ASET)</td>
<td>2698/DEL/2013</td>
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<tr>
<td>12.</td>
<td>An Energy Efficient approach for multimedia Applications in mobile Ad Hoc Network using Range Transmission</td>
<td>Dr. Rekha Agarwal (Director, ASET) &amp; Ms. Pinki Nayak (Assistant Professor, ASET)</td>
<td>N.R.</td>
</tr>
</tbody>
</table>
Engineering SURVEY-2015

Business & Management Chronicle is presenting the most comprehensive “All India Engineering Colleges Survey -2015”. This survey is of extreme importance for the aspirants who seek complete information and do thorough research before taking admission in Engineering Colleges.

The survey findings are completely based on the data submitted by the respective colleges and data obtained from various sources on perceptual view. However, students are required to personally visit the institute & seek information regarding the institutes before taking admission. This is the 4th All India Engineering Colleges Survey being published by B&M Chronicle.

Methodology:
The survey was conducted by B&M Research Team in three phases in 11 states covering cities: Varanasi, Delhi, Gurgaon, Noida, Greater Noida, Chennai, Ahmedabad, Jaipur, Bhiwadi, Raipur, Bangalore, Hyderabad, Pune, Dehradun, Lucknow, Chandigarh, Ranchi, Bhopal, Patna, Coimbatore, Mohali, Bhuvaneshwar, Salem, Bhopal, Agra, Bangalore, Mysore, Mysuru, Bhubaneswar, Vellore, Ambala, Vadodara, Meerut & Nellore.
Factual Information Collection

Factual Information was collected in the month of April & May 2015 through designed questionnaires by the core research team which was sent to 740 Engineering Colleges present all over India. A dedicated web portal was provided on the website www.ChronicleIndia.com so that the questionnaire can also be downloaded by the Engineering Colleges from the provided interface. Online reminders were also published for the Engineering Colleges to participate in the survey. Responses were sought by several reminders, phone calls and emails.

Within the stipulated time, 72 colleges responded with their information, out of which 59 were considered to be used for ratings as 13 colleges either did not meet the eligibility criteria set by the Research Team via institutes which are fully functional for more than 3 years or lack of complete information & the supporting documents were not send by the colleges. However, some of the prominent institutes like the IIT and IITs who did not participate in our survey opted for several reminders. They insisted to take data from their websites but the data was insufficient for complete research, so they were not included in the survey.

Validation of Data Through Physical Survey

As the core research team visited a good number of participating institutes. The team took a perceptual view from the directors, faculty members, current students, academicians, aspiring students and recruited. The data submitted by the institutes was validated thoroughly by the research team. Different parameters were critically analyzed and perceptual rating was given to the participating institutes by the research team on the findings of physical survey.

Calculation of Score & Final Rating

Finally, in the third phase, an exhaustive scrutiny of gathered information was conducted with the help of rationalized research tools to arrive at the parameter as well as overall rankings. While scrutinizing the data, important aspects like quality of students, curriculum, intellectual capital of faculty, infrastructure (library, recreational rooms, canteens, entertainment, hostel, faculty accommodation and wellness), placement record and industry interaction were taken into consideration. Consequently, and logically too, post this exercise, the marks were then calculated using the weightage decided by the specialist panel for all parameters and sub-parameters.

As per the score allotted to each institute, the colleges were categorized by giving different ratings - A++, A+, A, B++, B+, B and C. The placement data was analyzed critically. This year, in our survey, we have presented the data of various complaints and the average salary offered to all Tech students to give some idea about the placement trends. Also, the average package offered by different streams of companies is represented graphically.
### Category A+++

<table>
<thead>
<tr>
<th>Name of Institute</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Institute of Technology</td>
<td>Delhi/NCR</td>
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<tr>
<td>BIT Sindri, Dhalbaid</td>
<td>Jharkhand</td>
</tr>
<tr>
<td>Indian Institute of Technology</td>
<td>Uttar Pradesh</td>
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<tr>
<td>Banaras Hindu University</td>
<td>Uttar Pradesh</td>
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### Category A++

<table>
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<tr>
<th>Name of Institute</th>
<th>State</th>
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<tbody>
<tr>
<td>ChM Institute of Technology, Hyderabad</td>
<td>Andhra Pradesh</td>
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<tr>
<td>Shri Shankaracharya Technical Campus</td>
<td>Chhattisgarh</td>
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<tr>
<td>Army School of Engineering &amp; Tech.</td>
<td>Uttarakhand</td>
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<td>IIT Bhubaneswar</td>
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<td>Siddaganga Institute of Technology</td>
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<td>Sage Institute of Research &amp; Tech.</td>
<td>Madhya Pradesh</td>
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<tr>
<td>Army Institute of Technology, Pune</td>
<td>Maharashtra</td>
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<tr>
<td>Chandigarh Engineering College, Mohali</td>
<td>Punjab</td>
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<tr>
<td>Sri Ramakrishna Engineering College</td>
<td>Tamil Nadu</td>
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<tr>
<td>Visvesvaraya Technological University</td>
<td>Karnataka</td>
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<tr>
<td>NIT Institute of Science Technology</td>
<td>Tamil Nadu</td>
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### Category A+

<table>
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<th>Name of Institute</th>
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<tbody>
<tr>
<td>Osmania Institute of Technology</td>
<td>Andhra Pradesh</td>
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<tr>
<td>Maharana Gandhi Institute of Technology</td>
<td>Andhra Pradesh</td>
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<tr>
<td>M I Technical Institute of Technology, Hyderabad</td>
<td>Andhra Pradesh</td>
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<tr>
<td>Fergus College of Engineering &amp; Tech.</td>
<td>Chhattisgarh</td>
</tr>
<tr>
<td>Army School of Engg. &amp; Tech, Manesar</td>
<td>Delhi/NCR</td>
</tr>
<tr>
<td>Galgotias College of Engg. &amp; Tech.</td>
<td>Uttar Pradesh</td>
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<tr>
<td>G. L. Bajaj Institute of Tech. &amp; Manag.</td>
<td>Delhi/NCR</td>
</tr>
<tr>
<td>Institute of Technology, Nirma University</td>
<td>Gujarat</td>
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<tr>
<td>T. I. T. I. Institute of Technology, Bangalore</td>
<td>Karnataka</td>
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<tr>
<td>The Oxford College of Engg, Bangalore</td>
<td>Karnataka</td>
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<tr>
<td>Gandhi Institute of Tech. Advancement</td>
<td>Odisha</td>
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<tr>
<td>Francis Xavier College, Tiruchirappalli</td>
<td>Tamil Nadu</td>
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<tr>
<td>North Bengal College (Autonomous)</td>
<td>Tamil Nadu</td>
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<tr>
<td>Sree College of Technology, Salem</td>
<td>Tamil Nadu</td>
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<tr>
<td>Vel Tech Multitech Dr. Rangarajan</td>
<td>Tamil Nadu</td>
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<tr>
<td>Dr. J. J. Thiagaraja College of Engineering</td>
<td>Tamil Nadu</td>
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<tr>
<td>Army School of Engineering</td>
<td>Uttar Pradesh</td>
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<tr>
<td>Institute of Technology, Lucknow</td>
<td>Uttar Pradesh</td>
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**Business & Management Chronicle**

June/July 2015
<table>
<thead>
<tr>
<th>Rank</th>
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<th>Location 1</th>
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<tr>
<td>132</td>
<td>Bhagwan Parshuram Institute of Technology</td>
<td>Delhi</td>
<td>Delhi</td>
</tr>
<tr>
<td>136</td>
<td>Amity School of Engineering &amp; Technology, Delhi</td>
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<tr>
<td>138</td>
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</tbody>
</table>

RMD Engineering College, affiliated to Anna University is a premier institute that provides training in management, technology and engineering.