



Dr. D. Y. Patil Pratishthan's
Padmashree Dr. D.Y. Patil Institute of Master of Computer Applications
(Affiliated to AICTE, New Delhi & Affiliated to University of Pune)
Sector No.29, Akurdi, Pune-411044 Tel No: (020)27640998,202737393
Website:www.dypimca.org

REPORT

ON

NATIONAL SEMINAR ON

DATA MINING

Day/Date: 12th -13th July 2013

Time: 09:00 a.m. – 05:30 p.m.

Venue: Dnyanprasad Auditorium,
Padmashree Dr. D. Y. Patil Educational Complex, Akurdi

1. Organizer:

1. Mrs. Neha Sharma, Deputy Director
2. Mrs. Kavita Suryawanshi, Event Coordinator

2. CONCEPTION OF NATIONAL SEMINAR ON DATA MINING

Padmashree D. Y. Patil Institute of MCA fosters a positive environment for faculty and students to meet with the emerging challenges which stimulates the desire to collaborate and change the world of Computer Technology and Business Management with innovation.

Therefore, with the idea of giving an opportunity to faculty, industry expert and student to sharpen their knowledge, the institute had organized one day National Seminar on 'Data Mining'. Data Mining has great importance in today's highly competitive business environment. This seminar aims to focus in the area of data mining , scope of research on the same, the seminar also exposed the key idea of implementation and the tools is used in Data Mining applications.

3. OBJECTIVES

1. To introduce the basic concepts and techniques of Data Mining.
2. To develop skills of using recent data mining software for solving practical problems.

4. RESOURCE PERSONS

- a. **Mr. Sanjeev Fadnavis, Chief Guest-** With over 21 years of experience in setting up business units and making them profitable, Sanjeev manages all the India operations for Nitor. He looks after supporting and nurturing the present growth from existing markets and also expanding operations in new markets. Under his guidance and mentorship, Nitor teams help companies with their Offshore Product Development initiatives through value added partnering. Prior to Nitor Infotech, he was heading the business development activities for India and Asia Pacific for Harbinger Group's software products in the capacity of Vice President. With his diversified and rich experience in various industry verticals such as Petroleum, Power, Chemicals and Pharmaceuticals, he provides the broader and deeper perspective to Nitor operations. He has earlier worked with organizations like Suzlon Energy Limited, Thermax and Praj. Sanjeev holds an Engineering degree and also a Master's degree in Management Science from Symbiosis Institute of business Management, India's one of the leading business management schools.

(ANNEXURE A- PROFILE OF MR. SANJEEV FADNAVIS)

Snapshot 1: MR. SANJEEV FADNAVIS



b. Dr. Shailaja Shirwaikar -

Dr. Shailaja Shirwaikar is an Associate Professor & Head of Computer Science Department at Nowrosjee Wadia College, Pune. She has completed M.Sc. and PH.D. (MATH) from Bombay university. She has done P.G.D.C.A from technical board of Maharashtra. She possesses over twenty two years of experience as lecturer in academia at Nowrosjee Wadia College, Pune. She is guiding the student for M. Phil.& PH.D(Comp Sci. & IT).She has been guiding student of M.Sc. for final year projects. She was elected as Member of Board of studies of Computer Science. Published and Presented around Dozen of Paper. Area of Research service oriented architecture, cloud computing, Data mining, soft computing.

A lab Hand book for F.Y. Bsc (Computer Science) publish by Pune University. Text Book on “Operating System” and Study material for WAWASAN University, Malaysia, published.

(ANNEXURE B- PROFILE OF DR. SHAILAJA SHIRWAIKAR)

Snapshot 2: DR. SHAILAJA SHIRWAIKAR



c. **Mr. Eklavya Malhotra** - Mr. Eklavya Malhotra possesses over 5 years of multi-functional experience in the retail sector and management consulting. He started his career with India's leading retailer, Future Group where he successfully led teams on a number of projects across the group's diverse retail ventures.

As part of Upohan, he has been involved in consulting projects including strategy implementation using Balanced Scorecard, enhancement of business processes, formulation of organizational policies and development of robust HR systems. His experience spans working with clients in India and abroad across industries including BFSI, Retail, Manufacturing, Media & Entertainment, Telecom and Software sectors.

(ANNEXURE C- PROFILE OF MR. EKLAVYA MALHOTRA)

Snapshot 3: MR. EKLAVYA MALHOTRA



d. **Dr. Gaurav Kumar** – Dr. Gaurav Kumar is the Founder Director and First Promoter of Magma Research and Consultancy Pvt. Ltd. He possesses more than 16 years experience in Teaching, Industry and Research. He is IBM Certified Associate Developer and Projects Contributor for Web Based Source Code Repository SourceForge.net. He is associated as a Research Guide and Consultant with various Central, State and Deemed Universities in India. He has published more than 50 Research Papers and Articles in International (Including IEEE), National Journals and Periodicals. He is associated with various publication houses as the Author and Consultant. He has published number of Articles in various International and National Newspapers, Magazines and Conferences. He is Reviewer / Member of Advisory Panel (Including IEEE, Springer and Elsevier) in

number of Journals, Magazines and Periodicals. A number of Workshops / Conferences has been organized under his supervision, expertise and consultancy. He is allied with the Universities / Engineering Colleges and Academic Institutes for the delivery of Expert Lectures in the Workshops / Conferences / FDPs (Faculty Development Programme) / STCs (Short Term Courses).

(ANNEXURE D- PROFILE OF DR. GAURAV KUMAR)

Snapshot 4: DR. GAURAV KUMAR



- e. **Mr. Prashant Pansare** – Prashant is the founder and MD of Inteliment, aligning Business Analytics Technology as a key enabler for strategic advantage and building innovative solutions for emerging markets - Analytics, Cloud, Mobility.

Prashant applies his vision and unwavering commitment to the success of new initiatives and programs at Inteliment. Under his leadership Inteliment has received many awards and accolades, which he believes are recognitions for each person who has contributed to Inteliment. He is recognized as a CEO of Fast Growing Companies in Asia by Deloitte and has earned a technical accreditation by SAP. Prior to Inteliment, he worked at responsible positions at Neilsoft, Intentia South Asia and DSQ Ltd.

A Mechanical Engineer and MBA in Finance and Marketing, Prashant is Accredited Management Professor in 'Corporate Planning & Strategy' by All India Management Association (AIMA). He is a well-known speaker at various forums and is a visiting

faculty at many reputed engineering and management institutions. He has institutionalized 'Social Excellence Awards' to encourage NGO work.

(ANNEXURE E- PROFILE OF MR. PRASHANT PANSARE)

Snapshot 5: MR. PRASHANT PANSARE



Preparation of National Seminar on Data Mining has been started well before. For smooth functioning of the event, an activity planner has been designed which was rigorously followed by various functional committees and monitored by the organizing team.

(ANNEXURE F- ACTIVITY PLANNER)

(ANNEXURE G - CIRCULAR OF FUNCTIONAL COMMITTEES DATED 23/4/2013)

(ANNEXURE H- CIRCULAR OF FUNCTIONAL COMMITTEES DATED 9/7/2013)

For smooth functioning committees started their work and all necessary preparative steps were taken.

(ANNEXURE I – REQUEST FOR GENERATOR BACKUP)

(ANNEXURE J - BOOKING OF AUDITORIUM)

(ANNEXURE K - PHOTOGRAPGY SERVICE)

Brochure and invitation cards were designed and sent to delegates across India, delegates were from academia and industry. Continuous follow up of the same was taken by web communication team.

(ANNEXURE L- BROCHURE/ INVITATION CARD)

(ANNEXURE M - COMMUNICATION TO DELEGATES)

Invitation cards were sent to chief guest and resource persons.

(ANNEXURE N - INVITATION TO CHIEF GUEST)

5. PARTICIPANTS

We have received very good response; participants for the seminar were from academia and industry. There were 71 delegates in all, out of that 47 were from different institutes/ industry and 24 were in house faculties.

Sr. No	Name	Institute	City
1	Urmila R. Pol	Shivaji University	Kolhapur
2	Renu Mathew	IICMR	Pune
3	Usha Madyar	IICMR	Pune
4	Rhohini Shinde	Pimpri Chinchwad College of Engineering	Pune
5	Yadav B.D.	sscs	Solapur
6	Manju R Mittal	MIT college of Management,Kothrud	Pune
7	Prathibha L	MIT college of Management,Kothrud	Pune
8	Aabha Bhushan Pandit	Sinhgad Institute of Management and Computer Applications,Pune	Pune
9	Swati Milind Dhotarkar	Sinhgad Institute of Management and Computer Applications,Pune	Pune
10	Archana Bansod	YB Polytechnic	Pune
11	Santosh Korde	YB Polytechnic	Pune
12	Vishal Patil	YB Polytechnic	Pune
13	Ravikant Kale	NBN Sinhgad College	Pune
14	Suchita Borkar	PCCOE	Pune
15	Deepali Railikar	PCCOE	Pune
16	Anjana A.R.	PCCOE	Pune
17	Manisha Thorat	Krishna College	Karad
18	Sulochna Patil	Krishna College	Karad
19	Pooja Aahuja	DY Polytechnic	Pune
20	Suvarna Patil	DY Polytechnic	Pune
21	Rupali Solaskar	DY Patil Ambi	Pune
22	Shweta Patil	YTIET	Karjat
23	Rupesh Bhoir	YTIET	Karjat
24	Eknath Bhoir	YTIET	Karjat
25	Satish Bhutawale	YTIET	Karjat
26	Sarita Bhoir	YTIET	Karjat
27	Dipti Chaudhari	DYPCOE (ME Student)	Pune
28	Sayali Hande	DYPCOE (ME Student)	Pune
29	Pallavi Wazalwar	DYPCOE (ME Student)	Pune
30	Madhura Tupkar	DYPCOE (ME Student)	Pune
31	Shubhangi Kadam	DYPCOE (ME Student)	Pune
32	Jyoti Anapat	DYPCOE (ME Student)	Pune
33	Tushar Kasavi	DYPCOE (ME Student)	Pune
34	K. Rohit Chandran	DYPCOE (ME Student)	Pune
35	Raksha Bhangale	DYPCOE (ME Student)	Pune

Sr. No	Name	Institute	City
36	Swati Kapse	DYPCOE (ME Student)	Pune
37	Rajdeep Marathe	DYPCOE	Pune
38	Dhanashree Phalke	DYPCOE	Pune
39	Tanuja Fegade	IMR,MCA College	Jalgaon
40	Varsha Pathak	IMR,MCA College	Jalgaon
41	Sudhir Venegurkar	SIBACA,	lonnawala
42	Awantika Bijwe	Indira Inst.of BM	Pune
43	Vishranti Gharge	Indira Inst.of BM	Pune
44	Anil Phalke	SIBACA,	lonnawala
45	Madhuri Bedase	DYPCOE	Pune
46	Mangesh Shinde	DYPCOE	Pune
47	Priti Dhope	DYPCOE	Pune
48-71	24 In house Faculties	DYPIMCA	Pune
Total No. Of participants			71

(ANNEXURE O - REGISTRATION SHEETS & FILLED FORM)

6. ITENARY

The details of the 'National seminar on Data Mining' on the scheduled days are as follows:

Day 1: 12th July 2013

Sr. No.	Time-Slot	Particulars
1.	09:00 am- 09:30 am	Registration and Breakfast
2.	09:30 am - 09:40 am	Introduction of programme
3.	09:40 am -09:45 am	Lighting of lamp by dignitaries
4.	09:45 am - 09:50 am	Welcome address by Prof. Rajesh Math, Director, DYPIMCA
5.	09:50 am – 09:55 am	Felicitation of all dignitaries
6.	09:55 am – 10:05 am	Address by Col. S.K. Joshi (Retd.) , Campus Director, Padmashree Dr. D. Y. Patil Educational Complex, Akurdi
7.	10:05 am – 10:10 am	Introduction of Chief Guest - Mr. Sanjeev Fadnavis, President, Nitor Infotech Pvt. Ltd.
8.	10:10 am - 10:20 am	Address by Chief Guest
9.	10:20 am - 10:25 am	Note of gratitude by Ms. Neha Sharma, Dy. Director, DYPIMCA
	10:25 am - 10:40 am	Tea Break

Sr. No.	Time-Slot	Particulars
10.	10:40 am - 10:45 am	Introduction of Key Note Speaker- Dr. Shailaja Shirwaikar, HoD, Computer Science, Nowrosjee Wadia College, Pune
11.	10:45 am - 01:15 pm	I st Session - Dr. Shailaja Shirwaikar
	01:15 pm – 02:00 pm	LUNCH Break
12.	02:00 pm - 03:30 pm	II nd Session - Dr. Shailaja Shirwaikar
	03:30 pm – 03:40 pm	TEA Break
13.	03:40 pm - 03:45 pm	Introduction & Felicitation of Speaker - Mr. Eklavya Malhotra, Upohan Management Consultants Pvt. Ltd , Pune
14.	03:45 pm - 05:00 pm	IV th Session - Mr. Eklavya Malhotra,

Day 2: 13th July 2013/ Saturday

Sr. No.	Time-Slot	Particulars
1.	09:00 am – 09:30 am	Breakfast
2.	09:30 am - 09:35 am	Felicitation & Introduction of Speaker- Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy Pvt. Ltd.
3.	09:35 am -11:00 am	I st Session - Dr. Gaurav Kumar
	11:00 am - 11:10 am	TEA Break
	11:10 am - 01:10 pm	II nd Session - Dr. Gaurav Kumar
4.	01:10 pm - 01:50 pm	LUNCH
	01:50 pm - 04:15 pm	III rd Session - Dr. Gaurav Kumar
5.	04:15 pm - 04:20 pm	TEA Break
6.	04:20 pm – 04:25 pm	Felicitation & Introduction of Speaker- Mr. Prashant Pansare, CEO, Inteliment Technologies
7.	04:25 pm – 05:15 pm	III rd Session - Mr. Prashant Pansare
8.	05:15 pm onwards	Certificate Distribution

7. DAYS PROCEEDINGS

7.1 Day 1 - 12 July 2013:

The delegates and participants arrived at the venue of the seminar i.e. Dnyanprasad Auditorium, Padmashree Dr. D. Y. Patil Educational Complex, Akurdi at 09.00 am.

Snapshot 6: Delegates in a queue to pick up their Breakfast and tea.



The inaugural ceremony of 2 days National Seminar on Data Mining commenced at 9.30 am with National Anthem. Ms. Rashmi Shinde gave a brief introduction stating the purpose of the seminar. Seminar formally inaugurated by auspicious lamp lighting. Dignitaries were introduced to delegates with a detailed introduction.

Snapshot 7: Lamp lighting by dignitaries.



After lighting of lamp, Prof. Rajesh Math , Director DYPIMCA delivered welcome address , wherein he welcomed all the delegates and participants to the 2 days National Seminar on Data Mining. He thanked Chief Guest Mr. Sanjeev Fadnavis for his dignified presence for the seminar. Prof. Rajesh Math gave a gist of the theme of the seminar and what will come in front in coming two days to the participants.

Snapshot 8: Prof. Rajesh Math, Director, DYPIMCA welcomed all dignitaries and delegates.



Now, it was time to welcome and felicitate all the dignitaries with token of love for their kind gesture to be with us.

Snapshot 9: Mr. Sanjeev Fadnavis welcomed by Col. S. K. Joshi, (Retd.), Campus Director.



Snapshot 10: Mr. Prashant Pansare welcomed by Prof. Rajesh Math, Director, DYPIMCA.



Snapshot 11: Dr. Shailaja Shirwaikar welcomed by Prof. Neha Sharma, Dy. Director, DYPIMCA.



Snapshot 12: Col. S. K. Joshi, (Retd.), Campus Director addressed the participants.



Chief Guest Mr. Sanjeev Fadnavis appreciated that the institute has organized such type of national level seminar. He further emphasized how business intelligence and data mining field are closely interlinked. It's critical to have a well thought through Business Intelligence solution for accurate and timely decision making.

Snapshot 13: Address by Chief Guest – Mr. Sanjeev Fadnavis, President, Nitor Infotech Pvt. Ltd.



At the end of the inauguration ceremony, Prof. Neha Sharma proposed a heartfelt gratitude towards the management for extending their fullest co-operation by permitting the Institute to organize 2 days National Seminar. She also thanked all dignitaries who graced the program and participants from remote places whose participation made the seminar grand success.

Snapshot 14: Note of gratitude given by Prof. Neha Sharma, Dy. Director, DYPIMCA



The first session of the seminar began with the introduction to Data Mining covering reasons why it has been getting urgency. She deliberated on the following topics in her first pre-lunch session from 10.00 am to 1.15 pm.

1. Classification of Data Mining Systems
2. Graph Mining / Web Mining
3. Data Pre-processing, Data Cleaning & Noisy Data
4. Classification and Clustering
5. Association Rule Discovery, Sequential Pattern Discovery
6. Regression
7. Deviation Detection
8. Applications in Data Mining

Snapshot 15: Dr. Shailaja Shirwaikar explaining the applications of Data Mining.



Snapshot 16: Lunch Break: Participants enjoying lunch.

The food arrangements throughout the days were done well. The quality of food served was good. After enriching food for thought participants enjoyed the lunch.



Second session commenced at 2.00 pm, it was dealt with, Dr. Shailaja Shirwaikar's session on 'Big Data'. Mr. Shailaja Shirwaikar spoke on following topics:

1. Big Data Contributors
2. Dimensions on big data
3. Computing Challenges
4. Distributed File System
5. Hadoop- an open source software framework

Snapshot 17: Whole hearted participation of participants during the session on Big Data.



(ANNEXURE P – Course material by Dr. Shailaja Shirwaikar)

Mr. Eklavya Malhotra conducted a session on ‘Application of Data Mining and Its Business Perspective’. He emphasized that data in its raw format has no meaning, unless transformed into wisdom. Further he explained basic tenets of good analysis as Introspect, Contemplate and Meditate. Mr. Eklavya Malhotra also shared consulting examples on Data Mining.

Snapshot 18: Mr. Eklavya Malhotra deliberating on ‘Application of Data Mining and Its Business Perspective’.



(ANNEXURE Q – PowerPoint Presentation by Mr. Eklavya Malhotra)

7.2 Day 2 - 13 July 2013:

Day 2 of National Seminar started with welcome of resource person of the day, Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy Pvt. Ltd., Haryana

Snapshot 19: Dr. Gaurav Kumar welcomed by Prof. Neha Sharma, Dy. Director, DYPIMCA



Dr. Gaurav Kumar started the session with introduction to Data Mining and Machine Learning. Further he threw light on Free and Open Source Software used for Data Mining and Machine Learning. Dr. Gaurav Kumar covered following topics in his pre-lunch session:

1. WEKA as a Prominent Data Mining and Machine Tool and its Market Place
2. Installation and Configuration of WEKA
3. WEKA Supported File Formats and Import/Export
4. Working on Multiple Panels of WEKA

Snapshot 20: Dr. Gaurav Kumar explaining installation and configuration of WEKA tool to the participants.



The post-lunch session began with demonstration of WEKA tool. He deliberated on the following topics in his post -lunch session from 2.00 pm to 4.30 pm.

1. Data Pre-processing and Filtering
2. Applying Classifiers and Clustering Algorithms using WEKA
3. Association Rule Mining Algorithms and Implementation in WEKA
4. Applying Attribute Evaluator and Search Methods
5. Visualization and associated Tools
6. Mapping of WEKA with J DK

This session was very much interactive and very well received by all the participants.

**Snapshot 21: Dr. Gaurav Kumar at an interactive session with the participants-
'Demonstration of WEKA tool'.**



(ANNEXURE R – Course material by Dr. Gaurav Kumar)

Last session commenced at 4.45 pm. It was dealt with by, Mr. Prashant Pansare, CEO, Inteliment Technologies. He threw an insightful and thought provoking light on the way internet of thinking has been spread around us. He emphasized on our role as contributors of Big Data. Mr. Prashant Pansare explained various open source Data Mining Tools.

Snapshot 22: Mr. Prashant Pansare, CEO, Inteliment Technologies deliberating on Open source Tools for Data Mining.



A post session informal interaction of the participants with resource persons was conducted on the last day of the seminar.

Snapshot 23: Group photo with Resource Person - Dr. Gaurav Kumar.



At the end of the session certificates were distributed to the participants. Two days National Seminar on data mining concluded with feedback collection.

(ANNEXURE S: Certificate sample copy)

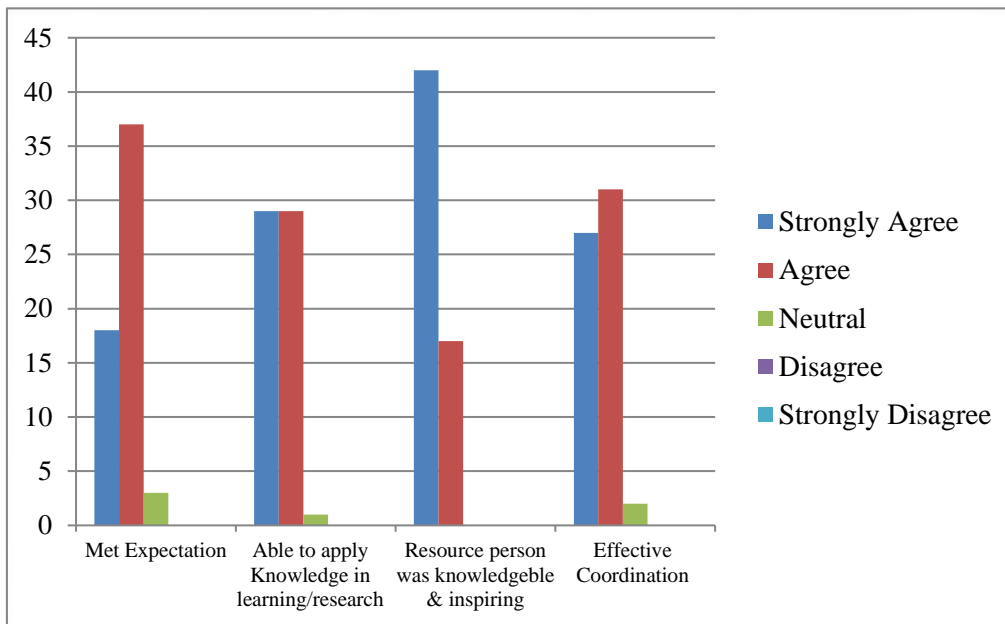
(ANNEXURE T: Signatures of delegates after receiving the certificates.)

8. FEEDBACK ANALYSIS

To confirm the impact of the seminar a feedback session was organized at the end of session. All the participants shared that the seminar gave them a platform to explore their knowledge on Data Mining.

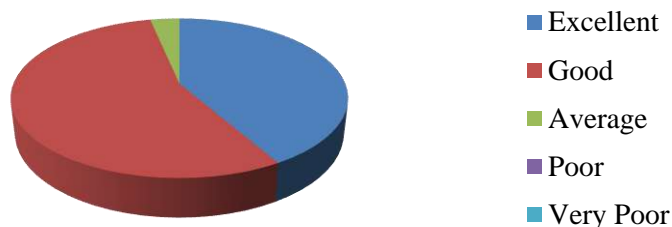
Sr. No	Category	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Met Expectation	18	37	3	0	0
2	Knowledge apply in learning	29	29	1	0	0
3	Resource person inspiring	42	17	0	0	0
4	Effective Coordination	27	31	2	0	0

(ANNEXURE U: Duly filled Feedback Forms by the Participants)



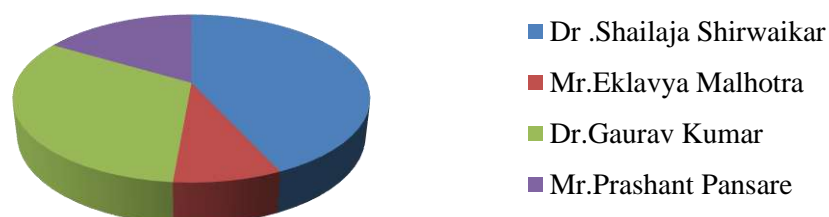
Seminar Rating	Excellent	Good	Average	Poor	Very Poor
	25	33	2	0	0

Seminar Rating

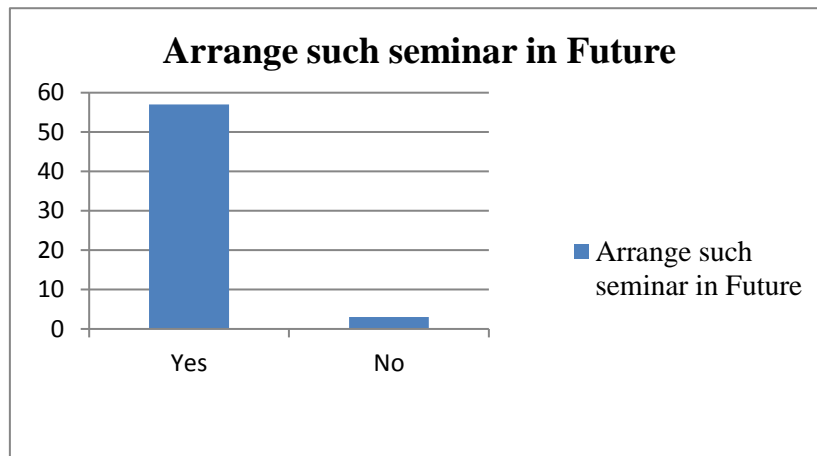


Best Resource Person	Dr. Shailaja Shirwaikar	Mr. Eklavya Malhotra	Dr. Gaurav Kumar	Mr. Prashant Pansare
	47	9	35	18

Best Resource Person



Arrange such seminar in Future	Yes	No
	57	3



Interpretation: The feedback analysis illustrates that majority of the participants have had enriching experiences at the National Seminar on Data Mining.

9. FINANCIAL IMPLICATIONS

National Seminar on Data Mining was organized in association with CSI and IEEE Student branch.

(ANNEXURE V: CONSENT FROM CSI AUTHORITY TO USE CSI LOGO)

University of Pune provided financial assistance under Quality Improvement Programme scheme for conducting national seminar.

(ANNEXURE W: APPROVAL OF SANCTIONED AMOUNT FOR NSDM FROM QIP, BCUD, UOP)

Sr. No	Particulars	Price	Qty	Approved Amount	Actual Expenditure
1	Resource Person Remuneration(Academician)	9000	1	9000	6000
2	Resource Person Remuneration(Industry)	3000	2	6000	-
3	Resource Person Out of State (Remuneration -10000+ Air Ticket - 20000 +Accommodation – 8000) <i>10000+8626+5525</i>	38000	1	38000	24151
4	Registration Kit & Banner+ Brochure <i>15350+600+2050</i>	300	60	18000	18000
5	Hospitality (For 2 days) 28880 Mavashi Lunch at canteen 150	200	75 (*2)	30000	29030

Sr. No	Particulars	Price	Qty	Approved Amount	Actual Expenditure
6	Stage Decoration <i>Audi Bouquet (2) 1000</i> <i>Flower Garland(8) 1040</i> <i>Podium Bouquet (1) 300</i> <i>Chief Guest Gift (4) 5400</i> <i>Ganpati Pen Gift (2) 780</i> <i>Rangoli +F Decorator 550</i> <i>Chocolates 200</i> <i>Stage Pen 54</i> <i>Bamboo Plant(7) 1120</i>	-	-	10000	10444
7	Felicitation + Momentous	1000	4	4000	-
8	Logistic Expenses	-	-	2000	7200
9	Petrol Allowance for Marketing (500*10 days)			5000	2000
10	Media Coverage	-	-	10000	8000
11	Postage			5000	500
12	Miscellaneous Expenses Photo,cell +Other Misc. 3950 Accommodation of delegates 1050			5000	5000
Expenditure				142000	1,10,325
- Registration Fees *				60000	63000
Actual Expenses				82000	47325
UOP Sponsored QIP Income				50000	50000
Actual Expenses borne by Institute				32000	-2675

(ANNEXURE X: APPROVAL NOTE)

10. IMPACT OF THE PROGRAMME

The seminar was well received by participants from industry and academic. The seminar was truly an enriching and thought provoking experience for people who are either academicians or part of IT industry to get insights on Big Data. National Seminar gave an opportunity for all researchers in the domain of Data Mining to interact with people with the similar interest where they can share their ideas.

(ANNEXURE Y – PRESS NOTE RELEASE)