Vidarbha Youth Welfare Society's

Prof. Ram Meghe Institute Of Technology & Research Badnera, Amravati (M.S.) 444701

SHORT TERM TRAINING PROGRAMME (STTP)

Approved By AICTE- ISTE

(ISTE/Proceedings/STTP-SF/MAH-040/2019-20)

17th June 2019 to 21st June 2019

On

"Research Methodology & Data Analysis"

Organized by

Department of Information Technology

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Short Term Training Program
Approved By AICTE- ISTE

(Interdisciplinary)
(Self Finance)
One Week
17th to 21st June 2019
On
"Research Methodology & Data Analysis"

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research Badnera has organized one week Short Term Training Program approved by AICTE -Indian Society for Technical Education (ISTE) New Delhi and in association with IETE.

The goal of this STTP is to motivate the new researcher for their research work and explain the systematic plan for doing research. **Research** is "creative and systematic work undertaken to increase the stock of knowledge, including knowledge of humans, culture and society, and the use of this stock of knowledge to devise new applications". It is used to establish or confirm facts, reaffirm the results of previous work, solve new or existing problems, support theorems, or develop new theories. A research project may also be an expansion on past work in the field. To test the validity of instruments, procedures, or experiments, research may replicate elements of prior projects or the project as a whole. The primary purposes of basic research (as opposed to applied research) are documentation, discovery, interpretation, or the research and development (R&D) of methods and systems for the advancement of human knowledge. Following are the objectives of this STTP

To provide an overview of contemporary research methodology

- To understand literature review process and formulation of a research problem
- To understand data collection methods and basic instrumentation
- To learn various statistical tools for data analysis
- To learn technical writing and communication skills required for research
- To create awareness about intellectual property rights and patents

Inaugural Speech by Dr. H. R.Deshmukh

Presidential Speech by Hon. Yuvrajsingh Chaudhary

Speech By Dr. Anant Dhatrak

Speech By Dr. A. P.Bodhke

The Short Term Training program was inaugurated on 17th June 2019 by the hands of Dr. H. R. Deshmukh , Director, Board of Examination & Evaluation , Sant Gadge Baba Amravati University , Amravati and National Executive Council member of ISTE, New Delhi as a Chief Guest & and Yuvarajsingh Chaudhary, Secretary of Vidarbha Youth Welfare Society chaired   the inaugural function. The function was inaugurated in presence of the Dr. Anant Dhatrak , ISTE National executive council member, New Delhi , Dr. A. P. Bodhke, Principal , Prof. Ram Meghe Institute of Technology & Research , Badnera , Dr. P. V.Ingole, Head, Department of Information Technology & Convener of program , Program Coordinators Prof. Pranjali Deshmukh , Prof. Maithili Deshmukh and Heads & all the

department Deans. Inauguration program started with lamp lighting ceremony and welcoming of guests with mementoes and sapling.

The Convener of the STTP Dr. P. V. Ingole explained objectives and details of the program.

Dr. A. P. Bodhake , Principal explained need of such orientation program for researchers as well as students and gave best wishes to coordinators and participants.

The Chief guest Dr. H. R. Deshmukh and Guest of Honour Dr. Anant Dhatrak appreciated for selection of STTP topic and deliberated their experiences and need of such training program.

The President of Function Hon. Yuvrajsingh Chaudhary motivated all participants to take advantage of such program and congratulated to department for arranging this program.

At the end Prof. Maithili Deshmukh , Coordinator gave vote of thanks to all guests , HODs, Deans participants , and all teaching and nonteaching members. The Inauguration program was hosted by Prof. Niketa Kadam.

Inauguration Function

Participants of STTP

The Participants enrolled for the course from distinct places from Maharashtra. Total 65 participants participated for this one week STTP program. Expert from home institute and outside were invited to deliver expert talks and their experiences in research. Expert details and their respective topics are as follows.

Sr. No	Name of the Expert & Designation & Institute	Name of Topic	Date of Session
1	Dr. S. V. Bansod, M. E. coordinator, PRMIT&R , Badnera	Power of Intention for Research	17th June 2019
2	Prof. Ashish Deshmukh, HOD MBA	Formulation of Research Problem	18th June 2019

	PRMIT& R Badnera		
3	Dr. N. W. Kale, Dean Entrepreneur , PRMIT&R Badnera	Research for Society	18th June 2019
4	DR. D. P. Kothari Director Research , Gaikwad Patil Group of Institutions , Nagpur	Research problem formulation in various Engineering fields	18th June 2019
5	Dr. G. R. Bamnote HOD CSE PRMIT&R , Badnera	Data Analysis tools	19th June 2019
6	Adv. Swapnil Gawande Director, Director , BLI Consultancy Pvt. Ltd., Amravati	IPR & Patenting	19th June 2019
7	Dr. V. M. Thakare HOD Dept. of Computer Science SGBAU, Amravati	Techniques for reducing plagiarism and improving citations, indexes	19th June 2019
8	Dr. P. V. Ingole HOD IT PRMIT&R, Badnera	Research report & Thesis Writing	20th June 2019
9	Dr. C. N. Deshmukh Dean PG PRMIT&R , Badnera	Research report & Thesis Writing	20th June 2019
10	Mr. Shrikant Pande Director Citronics Pvt. Amravati	Lab on Data Analysis Tools using Python & R	20 & 21 2019

The Experts deliberated right from introduction to research and research methodology , Identifying the research areas from the literature review and research database, need of research work ,Indian research present and future, research problem finding and formulation , research work for society , patenting and how to file patent for one's research work, Research report and thesis writing skills , different steps and software tools in the design and preparation of thesis, layout, structure and language of typical reports, Illustrations and tables, bibliography, referencing and footnotes covered in session. Expert also deliberated on Oral presentation: planning, software tools, creating and making effective presentation, use of visual aids importance of effective communication, also covered intellectual property rights and patent law, techniques of writing a Patent, filing procedure, technology transfer, copy right, royalty, trade related aspects of intellectual property rights , design of research paper, citation and acknowledgement, various plagiarism tools.

Dr. S. V. Bansod as Expert Speaker

Prof. Ashish Deshmukh As Expert Speaker

Adv. Swapnil Gawande as Expert Speaker
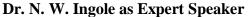

Dr. G. R. Bamnote as Expert Speaker

Dr. P. V. Ingole as Expert Speaker

Dr. C. N. Deshmukh as Expert Speaker

Dr. N. W. Ingole as Expert Speaker

Dr. D. P. Kothari as Expert Speaker

Two days hands-on session on data analysis using R and Python was conducted by Industry person Mr. Shrikant Pande. All the Participants enjoyed and learnt how to do data analysis and plotting graph and statistics.

Lab Session By Mr. Shrikant Pande

Valedictory Programme

This one weeks STTP on "Research Methodology & Data Analysis " programme was concluded with valedictory function on 21st June 2019 in the presence of Dr. P. V. Ingole, HOD & Convener of the Short Term Training Program , Prof. S. V. Dhopte & Dr. A. S. Alvi Advisors of Program ,coordinators of STTP Prof. Pranjali P. Deshmukh & Prof. Maithili Deshmukh and all faculty members and participants. Some participants expressed their views about the topic and have given their excellent feedback about the STTP. Prof. Pranjali Deshmukh , coordinator STTP summarised the one week program briefly and gave vote of thanks to all guests, participants , and all committee members. Prof.Niketa Kadam hosted the program.

<table>
<tr><td>Coordinators</td><td>Convener</td></tr>
<tr><td>Prof. P. P. Deshmukh   Prof. M.S. Deshmukh</td><td>Dr. P. V. Ingole
HOD(IT)</td></tr>
</table>

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www.mitra.ac.in

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Dr. Nitin R. Dhande
(President, Vidarbha Youth Welfare Society, Amravati)

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(Executive Member)

Dr. Mrs Vaishali N. Dhande
(Executive Member)

Dr. Mrs. Poonam Y. Chaudhary
(Executive Member)

Organizing Committee
Chairman
Dr. A. P. Bodkhe
(Principal, PRMIT&R, Badnera)

Convenor
Dr. P. V. Ingole

Advisor
Dr. N. W. Ingole
Prof. S. V. Dhopte
Dr. A.S. Alvi

Coordinator
Prof. P.P. Deshmukh   Prof. M. S. Deshmukh

Members
Prof. S. S. Kulkarni   Prof. Ms. P. V. Dudhe
Prof. A. A. Gulhane   Prof. Ms. N. V. Kadam
Prof. A. S. Mahalle   Prof. S. D. Thakur
Prof. R. M. Hushangabade   Prof. H. D. Misalkar
And all Faculty Members of Information Technology Department

About Institute

The Vidarbha Youth Welfare Society's Prof. Ram Meghe Institute of Technology and Research, Badnera-Amravati (Formerly well known as College of Engineering, Badnera), is a leading technological institute from central India. Established in the year 1983, the institute has a prestigious standing amongst the topmost technical institutes of Maharashtra. The institute is approved by AICTE, New Delhi and Accredited by the National Board of Accreditation (NBA), New Delhi. Department of Technical Education (DTE), Govt. of Maharashtra, has awarded "A" Grade to the institute. The institute is also awarded by ISTE National Award for best Engineering College in the region.

"Vidarbha Youth Welfare Society" was conceived to be the fountain head of education for a rural area of Amravati & Wardha in the year 1965.

The young, dynamic & forward looking management of PMIT&R is carrying forward the pioneering legacy of the visionary founders, who dare to dream and strived hard to achieve their seemingly impossible goals. The management team is comprising of qualified people and stalwarts from medical, academic, legal and business fraternity. Their varied skills-sets help them in coming up with the vagaries of technical education field.

Achieving a leadership position in all of its working areas is the belief that drives the PRMITians. The team of the highly qualified and experienced academicians strives to achieve this credo under the proficient guidance of the Principal of the Institution. The team has an indomitable spirit to nurture and educate potential professionals and bring laurels to the institute.

Topics to Be Covered:
- Introduction to Research.
- Research Problem Formulation and Methods.
- Data collection and Analysis.
- Research reports and Thesis writing.
- Research Ethics, IPR and Publishing.

Course Objectives

- To provide an overview of contemporary research methodology
- To understand literature review process and formulation of a research problem
- To understand data collection methods and basic instrumentation
- To learn various statistical tools for data analysis
- To learn technical writing and communication skills required for research
- To create awareness about intellectual property rights and patents

Eligibility:

Faculty members of engineering colleges / Polytechnic colleges and working professionals in the field of computer, Electronics, Information Technology and MCA are eligible to attend the course.

Registration:

Registration Fees: **Rs. 1500/-**

Payment Mode:

Cash / DD / Cheque in favor of "**Principal, PRMIT&R, Badnera**", payable at Badnera.
For Online Payment use following account detail

Bank Name: State Bank of India
Address: Nandanwan, Badnera, Amravati.
Account Number: 10580418884
IFSC Code: SBIN0004884
MICR Code: 444002004

Address for Correspondence:

Department of Information Technology
Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati.

Note: Candidates should complete the registration form and send it by mail, fax or by post to the coordinator. Confirmation of eligible candidates will be on first come first serve basis. ISTE members must provide adequate proof.

How to Reach

The college is situated near Badnera, 9 Km from Amravati city Bus depot and 2 Km from Badnera Railway station and well connected by roads including NH6 super express highway. It is about 150 Km from Nagpur. Auto rickshaws, city bus and other public transports are easily available from Badnera and Amravati to reach the Institute.

Contact

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Prof. Ms. M. S. Deshmukh
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Website: www.mitra.ac.in

Important Dates:

Activity	Date
Last Date of Application	14th June 2019
Duration	17th to 21st June 2019 (One Week)

Name: _____

Highest Qualification: _____

Specialization: _____

Designation: _____

Years of Experience: _____

Institution: _____

Address: _____
_____
_____

ISTE Membership No _____

Cell Phone: _____

E-mail: _____

Payment Details:
DD No. / College Receipt No._____
Bank Name_____
Date_____

Signature of Participant _____

The application is hereby recommended & will be permitted to attend the above STTP for the notified duration, if selected.

Signature of Authority _____

(Seal and Sign of Forwarding Authority)