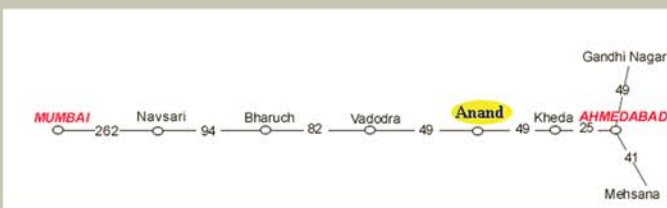


## About Anand;

Anand means happiness, and as destiny would have it, this place has made a complete transformation to the lives of the local people with AMUL. Today it is referred to as the 'Milk capital of the India' due to what is known as the 'White Revolution'. This city hosts the National Dairy Development Board of India and Anand Agricultural University. Another well known product of the city is Vallabh Vidhyanagar and Karamsad, an educational hub of Gujarat.

Anand lies between Ahmedabad (74 km away) and Vadodara (49 km away) on the Western Railway. The National express highway from Ahmedabad to Vadodara also passes through Anand.



## Course Director:

Dr. Prakash G. Koringa, Assistant Professor,  
Department of Animal Biotechnology,  
Veterinary College, AAU, Anand

## Associate Faculties

Dr. Chaitanya G. Joshi, Professor  
Dept. of Animal Biotechnology, AAU, Anand

Dr. D. N. Rank, Professor & Head,  
Department of Animal Genetics, AAU, Anand

Dr. S. J. Jakhesara, Assistant Professor,  
Dept. of Animal Biotechnology, AAU, Anand



## Venue:

Ome Research Facility  
Department of Animal Biotechnology,  
College of Veterinary Science & Animal Husbandry,  
Anand Agricultural University,  
Anand-388001.

Phone No.: (02692)261201

Fax No.: (02692)261486

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prakashkoringa@gmail.com

## V<sup>th</sup> Short Course on Metagenomics - Role of Next Generation Sequencing and Bioinformatics

(9<sup>th</sup> to 18<sup>th</sup> February, 2016)



Sponsored by

Niche Area of Excellence in  
Animal Biotechnology



Organized by



Department of Animal Biotechnology  
College of Veterinary Science & A. H.  
Anand Agricultural University

Anand-388001,  
Gujarat, India  
www.aau.in





About the Training:

Anand Agricultural University is the only university (state agricultural/traditional) in India to have high throughput genome sequencers (454-GS FLX Titanium, Ion Torrent PGM and MiSeq) installed at Ome Research Facility, Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry. Since it provides high throughput data, useful in numerous applications as well as reduces project time and cost.

College of Veterinary Sciences & Animal Husbandry has completed 50 glorious years of academic excellence in field of veterinary and animal science. Department of Animal Biotechnology is committed to being a globally compititive research facility through excellence in research and training of future research scientists. As a part of continuous HRD training programme in NAE project, Department of Animal Biotechnology is organizing a national training program "Metagenomics - Role of Next Generation Sequencing and Bioinformatics" under the Niche Area of Excellence project "Metagenomic analysis of Ruminant Microbes" in Animal Biotechnology. This training programme aims at imparting hands on experience to young and mid career scientists and researchers on the use of Next Generation Sequencing" for metagenomic approach to analyzing the diversity of microbial communities in peculiar ecosystems and for gene prospecting.

Eligibility:

The training program is being organized with financial assistance from the Niche Area of Excellence project of the ICAR. The training course is designed for faculty, Scientists, Research Associate and Research Scholars and will be for a duration of ten days from **9<sup>th</sup> to 18<sup>th</sup> February, 2016**.

Eligible candidates, who wish to participate in the training program, may submit their brief curriculum vitae including name, date of birth, sex, educational qualifications, experience, position held, postal, e-mail address and phone number and a brief write-up on motivation to attend the training program. Application sent through proper channel duly approved by the institution will be considered (attach the letter of approval with the application). Application received on or before **30<sup>th</sup> December, 2015** will be considered for participation.

Travel and Accomodation:

TA/DA will be born by the sponsoring institute. In special case TA/DA will be admissible and for that sepearate application with justification is to be forwarded by sponsoring institute. Accommodation will be arranged for the participants on sharing basis for the period of training. However, candidates selected for training program must have to deposit Rs. 5000 as security deposit upon intimation of selection. The deposit will be refunded on the successful participation and completion of training program. **There is no training fee.** Payment of security deposit will be accepted by DD in the favour of "Anand Agriculture University Fund Account" payable at Anand (To be sent upon selection).

Course contents:

- Course contents will cover the following aspects of metagenomics but not limited to -
- Introduction to metagenomics
  - Role of NGS in metagenomics
  - Genomics-Functional Genomics-Metagenomics
  - Rumen metagenomics, Gut metagenomics
  - Soil metagenomics,Environmental metagenomics
  - Metatranscriptomics
  - Overview of MiSeq and Ion Torrent sequencing
  - Amplicon and shotgun sequencing
  - Library preparation and emulsion PCR
  - Bioinformatic analysis of metagenomics data
  - Comparative metagenomics and Biostatistics
  - Various tools used in metagenomics

Registration Form

V<sup>th</sup> Short Course on "Metagenomics - Role of Next Generation Sequencing and Bioinformatics"

(9<sup>th</sup> to 18<sup>th</sup> February, 2016)

1. Full name : (in BLOCK letters)  
.....
2. Designation : .....
3. Address for correspondence:  
.....  
.....
4. Telephone : .....
5. E-mail Address :.....
6. Date of birth :.....
7. Projects being handled :.....
8. Research experience :.....
9. Academic record:.....
10. Purpose/How this training will be useful to the candidate/institution:  
.....  
.....

Date:Signature of applicant

Certified that the information is correct as per the office records.Recommendation

Signature of Sponsoring Authority with office seal