

naarm

NAARM
Capacity
Building
Programmes
2015-16



भाकृअनुप-राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
राजेन्द्रनगर, हैदराबाद-500030, तेलंगण, भारत
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A. Foundation Course for Agricultural Research Service (FOCARS)

The foundation course for agricultural research service, which is basic induction training for the scientists newly recruited to agricultural research service, with three months duration, is organized in three phases. Phase 1: Agricultural research systems and management processes - concept and principles; Phase 2: Technology generation and transfer process - field experience training; Phase 3: Agricultural research systems and management processes - practice and applications. The foundation course aims at exposing the participants to the various aspects of agricultural research project management, in addition to developing adequate skills in them for managing their research, by inculcating inter-disciplinary team spirit. It also prepares them for the future demands of agricultural research, at the national as well as at the international level. During the year, it is planned to conduct the following two foundation courses.

A-01.: 102 Foundation Course for Agricultural Research Service (102 FOCARS)

Duration	: 90 days
Course Dates	: July 1 – 30 September, 2015
Eligibility	: Newly recruited ARS scientists of ICAR as per ICAR appointment orders
Course Fee (₹)	: Nil
Core contents	: Agricultural Policy Perspectives, Intellectual Property Rights and Technology Management, Administrative and Financial Management in ICAR, Human Resources Management, Project Management, Information Technology Management, Documentation, Presentation, and Communication Management, Participatory Technology Development and Dissemination, Developing Winning Research Proposal, Futuristic and Multidisciplinary Perspective
Course Directors	: K. Srinivas (k.srinivas@icar.gov.in) S. Ravichandran (s.ravichandran@icar.gov.in)

A-02.: 103 Foundation Course for Agricultural Research Service (103 FOCARS)

Duration	: 90 days
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- Course Dates** : January 1 – 31 March, 2016
- Eligibility** : Newly recruited ARS Scientists of ICAR as per ICAR appointment orders
- Course Fee (₹)** : Nil
- Core contents** : Agricultural Policy Perspectives, Intellectual Property Rights and Technology Management, Administrative and Financial Management in ICAR, Human Resources Management, Project Management, Information Technology Management, Documentation, Presentation, and Communication Management, Participatory Technology Development and Dissemination, Developing Winning Research Proposal, Futuristic and Multidisciplinary Perspective
- Course Directors** : K.H. Rao (kh.rao@icar.gov.in)
N. Sivaramane (n.sivaramane@icar.gov.in)

B. Foundation Course for Others

Foundation training for personnel entering service of AUs in Assistant Professor or equivalent cadre which is of one month duration, is aimed at imparting the required knowledge and skills to trainees in order that they are empowered to handle different tasks keeping in view the tri-functional nature of their work in these universities. Further, they are also exposed to latest concepts of Information Technology and Human Resources Management besides the university statutes, rules, regulations and funding aspects.

B-01.: Foundation Course for Faculty of Agricultural Universities

- Duration** : 30 days
- Course Dates** : May 1 – 30, 2015
- Eligibility** : Faculty members in the cadre of Assistant Professors or equivalent from State Agricultural / Veterinary / Animal / Dairy / Fisheries / Horticulture / Forestry Science Universities, Central Agricultural Universities, ICAR deemed Universities, Central Universities and general Universities with agricultural faculty, having less than 2 years of experience

Program Fee (₹) : 18000/-(Non-ICAR participants)

Core contents : Agricultural Scenario, NARS, basics of Learning and Teaching, Instructional / Educational Technology, E-learning, Research Project Management; Transfer of Technology, and Administration and Finance Management

Course Directors : D. Thammi Raju (dt.raju@icar.gov.in)
P. Venkatesan (p.venkatesan@icar.gov.in)

B-02.: Foundation Training for AOs and FAOs

Duration : 6 weeks

Course Dates : Will be announced later

Eligibility : Directly recruited combined cadre officers (AO & FAO)

Course Fee (₹) : Nil

Core contents : Administrative matters, Financial Management, Personality Development and Behavioural dimensions

Course Directors : Sanjay Kant (registrar.naarm@icar.gov.in)
D.D. Verma (dharam.verma@icar.gov.in)

C. Leadership Development Programs

C1. Executive Development Programs on Leadership Development

These Programs are designed for the newly-recruited Directors, Zonal Project Directors, Assistant Directors General, Joint Directors of National Institutions and others who comprise the Research Management Position cadre of ICAR. The focus of the Programs is on leadership development for transition of National Agricultural Research System to National Agricultural Innovation System.

C1-01.: Executive Development Program on Leadership Development

Duration : 5 days

Program Dates : July 27 – 31, 2015

Eligibility : Newly recruited Directors, Zonal Project Directors, Assistant Directors General, Joint Directors of the Indian Council of Agricultural Research who are in the Research Management Position cadre

Program Fee (₹) : Nil

Core Contents : Leadership Challenge, Leadership qualities and Core competencies, Aspects related to system management

Program Directors : R. Kalpana Sastry (kalpana.sastry@icar.gov.in)
P. Manikandan (p.manikandan@icar.gov.in)

C1-02.: Executive Development Program on Academic Leadership Development for Vice Chancellors of Agricultural Universities

Duration : 3 days

Program Dates : October 16 - 18, 2015

Eligibility : Vice Chancellors of State Agricultural Universities & Central Agricultural Universities

Program Fee (₹) : 15000/- (Non-ICAR participants)

Core Contents : Issues related to challenges in leadership, Enhancement of leadership qualities, competencies in professional management and building team culture in the university system, Developing next generation leaders

Program Directors : D. Rama Rao (d.ramarao@icar.gov.in)
R. Kalpana Sastry (kalpana.sastry@icar.gov.in)

C1-03.: Executive Development Program on Leadership Development

Duration : 5 days

Program Dates : February 22 – 26, 2016

Eligibility : Newly recruited Directors, Zonal Project Directors, Assistant Directors General, Joint Directors of the Indian Council of Agricultural Research who are in the Research Management Position cadre

Program Fee (₹) : Nil

Core Contents : Leadership Challenges in NARS, Leadership qualities, Core competencies

Program Directors : R. Kalpana Sastry (kalpana.sastry@icar.gov.in)
N.H. Rao (nh.rao@icar.gov.in)

C2. Management Development Programs on Leadership Development (for Pre-RMP Cadre)

These Programs are planned to catalyse succession planning in NARS. Client group for these Programs includes Heads of Divisions and other senior-functionaries who are in the pre-RMP cadre of the organization and who are responsible for leading various activities at their level.

C2-01.: Management Development Program on Leadership Development (a pre-RMP Program)

Duration : 12 days

Program Dates : June 16- 27, 2015

Eligibility : Heads of Divisions of ICAR, Project Coordinators of ICAR, and Heads of Departments, Associate Directors of Research, Associate Deans of State Agricultural Universities

Program Fee (₹) : 15,000/- (Non-ICAR participants)

Core Contents : Research Management, Human Resource Management, Administration and Finance Management, Legal, Procurement, and Vigilance issues

Program Directors : P. Manikandan (p.manikandan@icar.gov.in)
N. Sandhya Shenoy (ns.shenoy@icar.gov.in)

C2-02.: Management Development Program on Leadership Development (a pre-RMP Program)

Duration : 12 days

Program dates : November 30 – December 11, 2015

Eligibility : Heads of Divisions of ICAR, Project Coordinators of ICAR, and Heads

of Departments, Associate Directors of Research, Associate Deans of State Agricultural Universities

Program Fee (₹) : 15,000/-(Non-ICAR participants)

Core contents : Research Management, Human Resource Management, Administration and Finance Management, Legal, Procurement, and Vigilance issues

Program Directors : R.V.S. Rao (rvs.rao@icar.gov.in)
P. Ramesh (ramesh.p@icar.gov.in)

D. Mandated Programs

D-01.: MDP for newly recruited PCs of KVKs

Duration : 15 days

Course Dates : April 16 – 30, 2015

Eligibility : Newly recruited (2012-14) Program coordinators from 8 Zonal Project Directorates of the Country

Program Fee (₹) : 10,000 (Non-ICAR Participants)

Core contents : To familiarize participants to the organizational structural and functional aspects of KVK system vis-à-vis its role in agricultural and rural development; to sensitize on global and national perspective on contemporary and future challenges in agricultural extension management; stimulate critical thinking, interdisciplinary teamwork and professional values and ethics for effective participation in and contribution to agricultural and rural development; provide knowledge and skills for enhancing personality and interpersonal relationships, communication and negotiation, motivation and organizational behaviour, and to equip the participants with modern concepts and practices for effective management of human, financial, information and knowledge resources for impact-making.

Program Directors : V.K.J. Rao (vkj.rao@icar.gov.in)
N. Sandhya Shenoy (ns.shenoy@icar.gov.in)

E. Refresher Courses

These courses are organized to update the knowledge and skills of intended participants in the areas of topical interest.

E-01.: Refresher course on Agricultural Research Management

- Duration** : 13 days
- Course Dates** : July 13 - 25, 2015
- Eligibility** : Newly recruited senior / principal scientists of Non-ARS stream
- Course Fee (₹)** : Nil
- Core contents** : National and International Agricultural Research Systems, Orientation to ICAR System, Research Project Formulation, Monitoring and Evaluation, IPR Issues, Human Resource Management, Team work for Interdisciplinary Research in Agriculture, Information and Communication Management, Administration and Finance Management
- Course Directors** : K. Kareemulla (k.kareemulla@icar.gov.in)
Surya Rathore (surya.rathore@icar.gov.in)

E-02.: Refresher Course on Agricultural Research Management

- Duration** : 12 days
- Course Dates** : February 23 – March 5, 2016
- Eligibility** : Newly recruited Senior / Principal scientists of non-ARS stream
- Course Fee (₹)** : Nil
- Core contents** : National and International Agricultural Research Systems, Orientation to ICAR System, Research Project Formulation, Monitoring and Evaluation, IPR Issues, Human Resource Management, Team work for Interdisciplinary Research in Agriculture, Information and Communication Management, Administration and Finance Management

Course Directors : Manoj P. Samuel (manoj.samuel@icar.gov.in)
P. Venkatesan (p.venkatesan@icar.gov.in)

F. Need Based Programs

These Programs are organized for mid-career managerial, scientific, technical and administrative personnel of National Agricultural Research System. They are designated for imparting advanced knowledge and skills in agricultural research management, human resource management, information and communication management, education systems management, extension systems management, and agri-business management.

F-01.: Training Program on Priority Setting, Monitoring and Evaluation (PME)

Duration : 5 days

Program Dates : June 2 - 6, 2015

Eligibility : Scientists involved in PME activities of ICAR / SAUs, middle and senior level scientists, agricultural research policy-makers and research managers from research institutes and from donor agencies for research. Any other person who is either working in or interested in PME or agricultural research may also participate

Program Fee (₹) : 7000/-(Non-ICAR participants)

Core contents : PME in Agricultural R & D – overview, PME techniques for agricultural R&D, Macro and Micro level priority setting, Environmental and socio-economic aspects of M & E, issues in PME on targeted resources and groups

Program Directors : K. Srinivas (k.srinivas@icar.gov.in)
B. Ganesh Kumar (ganesh.kumar@icar.gov.in)

F-02.: Training Program on Stress Management

Duration : 4 days

Program Dates : June 16-19, 2015

- Eligibility** : Senior managers like Directors, Joint Directors, Heads of Departments, Zonal Coordinators, and Project Coordinators, CAOs and FAOs and Principal Scientists of ICAR, Heads of Departments and Associate Directors or Research, Registrars and Comptrollers and Senior Professors of SAU
- Program Fee (₹)** : 7000/-(Non-ICAR participants)
- Core contents** : Interactive sessions with Cardiologist, Neurologist, Orthopedic Surgeon to understand various stress related diseases. Time management, Relationship management, positive thinking and practicals for stress release and also emotional intelligence & spirituality for coping up of stress
- Program Directors** : A. Debnath (debnath.a@icar.gov.in)
P. Ramesh (ramesh.p@icar.gov.in)

F-03.: Training Program on Consultancy Projects Management

- Duration** : 5 days
- Program Dates** : August 3-7, 2015
- Eligibility** : Middle / Senior level (Sr. Scientists / Pr. Scientists), especially those with the consultancy processing cells of ICAR institutes / SAUs
- Program Fee (₹)** : 7000/-(Non-ICAR participants)
- Core contents** : Areas/subjects with scope for consultancies; Agencies/ Organizations who need consultancies; Experience of consultancy projects; Rules/ Johl Committee norm; Ethics and quality concerns in consultancies; Monitoring & evaluation techniques; Planning, phasing, implementing and completion of consultancies; Report writing skills of consultancy studies; Preparation of dummy proposals for consultancies; Team work and subject specificity
- Program Directors** : K. Kareemulla (k.kareemulla@icar.gov.in)
R.V.S. Rao (rvs.rao@icar.gov.in)

F-04.: Training on Administration and Finance Management

- Duration** : 4 days
- Program Dates** : August 11-14, 2015
- Eligibility** : CAO/CFAO/SAO/SFAO with 5-10 years experience
- Program Fee (₹)** : Nil
- Core contents** : Pay fixation, Pension rules including new pension scheme, Financial management and general financial rules, Purchase procedures, Communication skills, TA/LTC rules, Stress management, Administrative vigilance, Right to Information Act, 2005, Conduct rules, Leave rules, Disciplinary matters CCS (CCA) Rules, Contract labour (regulation and abolition) Act & industrial disputes Act, Importance provisions of the Constitution of India relating to labour laws, FMS/MIS in ICAR, ICAR rules and guidelines for professional service functions (training, consultancy, contract research and contract service).
- Program Directors** : Sanjay Kant (registrar.naarm@icar.gov.in)
DD Verma (dharam.verma@icar.gov.in)

F-05.: Training Program on Analysis of Experimental Data (under TBI Project)

- Duration** : 6 days
- Program Dates** : August 17-22, 2015
- Eligibility** : Assistant Professors / Scientists and above cadre working in the field of agricultural sciences. Participants should possess some prior knowledge of computers
- Program Fee (₹)** : 10000/- (Non-ICAR participants)
- Core contents** : Basic principles of experimentation, visualization of experimental data, Tests of significance and analysis of variance, response surface designs, Assumption checking and handling of problem data, Communication of research results

Program Directors : S. Ravichandran (s.ravichandran@icar.gov.in)
A. Dhandapani (a.dhandapani@icar.gov.in)

F-06.: Competency Enhancement Program for Technical Officers of ICAR (sponsored by ICAR)

Duration : 11 days

Program Dates : August 19-29, 2015

Eligibility : Technical Officers of ICAR

Program Fee (₹) : Nil

Core contents : Labour laws and management of labour; Farm / field management and integrated farm management; Maintenance of farm equipment; Maintenance of laboratory, instrumentation and equipment; Data analysis and graphics; Recent advances in library management; Web-designing; E-learning Decision support systems; Information and communication technologies (ICTs) for Agricultural Research and Development; Personality development; Communication skills; Stress management; Power saving and green energy

Program Directors : P.C. Meena (pc.meena@icar.gov.in)
P.D. Sreekanth (pd.sreekanth@icar.gov.in)

F-07.: Training Program on Developing Winning Research Proposals in Agricultural Research

Duration : 5 days

Program Dates : August 25-29, 2015

Eligibility : Scientists in ICAR, Agricultural Universities and KVKs, Scientists from NGOs and General Universities working in agriculture related disciplines

Program Fee (₹) : 7000/- (Non-ICAR participants)

Core contents : Overview of agricultural research projects, Contextual understanding, Sharing examples of winning type research proposals, Research Program planning using AHP & other management tools, Clarifying

research objectives at conceptual level and implementation level, Hands on practice on project logframe, Stakeholder analysis, Online communication tools, Data visualization

Program Directors : S.K. Soam (sudhir.soam@icar.gov.in)
N.H. Rao (nh.rao@icar.gov.in)

F-08.: Training Program on Geospatial Analysis for Natural Resources Management using Statistical Tools

Duration : 10 days

Program Dates : September 2-11, 2015

Eligibility : Assistant Professors / Scientists and above cadre working in the area of Natural Resource Management. Participants should possess some prior knowledge of GIS, statistics and computers

Program Fee (₹) : 10000/- (Non-ICAR participants)

Core contents : Types spatial data, visualization of spatial data using GIS / other softwares, basic geostatistics, geospatial analysis, fitting of various spatial / spatio-temporal models

Program Directors : PD Sreekanth (pd.sreekanth@icar.gov.in)
A. Dhandapani (a.dhandapani@icar.gov.in)

F-09: Training Program on Quantitative Techniques for Business Managers and Social Scientists (under TBI Project)

Duration : 6 days

Program Dates : September 7-12, 2015

Eligibility : Scientists/Assistant Professors and above, Managers working in the area of analytics, marketing and research with good knowledge about basic statistics and experienced in handling computers/MS Excel.

Program Fee (₹) : 10000/-(Non-ICAR participants)

Core contents : Introduction to quantitative modelling, Introduction to statistical software such as R, SAS and SPSS, Survey designing, tests of significance,

ANOVA, Regression and its diagnostics, Regression using dummy variables, Efficiency analysis, Logit model. All the modules will be dealt with hands-on exercises.

Program Directors : N. Sivaramane (n.sivaramane@icar.gov.in)
A. Dhandapani (a.dhandapani@icar.gov.in)

F-10.: Training Program on Impact Assessment of Agricultural Extension

Duration : 6 days

Program Dates : October 5-9, 2015

Eligibility : Extension scientists of ICAR institutes/ SMS and Program coordinators of KVKs / Faculty of Universities, colleges / Leaders of NGOs / District level officers of Agriculture and allied departments

Program Fee (₹) : 10000/- (Non-ICAR participants)

Core contents : Understand program evaluation – what it is and reasons for doing it; describe evaluation principles and frequently used models of Program evaluation identify indicators of Program success for a given agricultural extension project/policy; select appropriate methods/techniques of data collection for conducting process and impact evaluations; understand the use of statistics to analyze data, interpret results, write evaluation reports, and share findings with stakeholders; and Develop evaluation plans to document impacts of extension Programs.

Program Directors : Surya Rathore (surya.rathore@icar.gov.in)
K. Kareemulla (k.kareemulla@icar.gov.in)

F-11.: Training Program on Agricultural Knowledge Communication

Duration : 5 days

Program Dates : October 13-17, 2015

Eligibility : Scientists, Faculty and Officials of ICAR, SAUs and other organisations Working in agriculture and allied disciplines

Program Fee (₹) : Rs.7000/-(Non-ICAR participants)

Core contents : Open access tools for Agriculture knowledge communications; Database creation and databases and internet resources for Agriculture knowledge management; Data mining in Knowledge Management in Agriculture; Data and knowledge management using the awhereplatform ; Filed lab, VDSA, ODK (Open Data Kit) and data verse etc.,; On line collaboration tools; Knowledge management initiative in National and International Organizations; Open source tools for data knowledge management; Social Media and its applications; Management of Open Educational Resources (OERs)

Program Directors : M. Balakrishnan (m.balakrishnan@icar.gov.in)
S.K. Soam (sudhir.soam@icar.gov.in)

F-12.: Training Workshop on Innovative Approaches to Technology Enhanced Learning (under TELAgE Project)

Duration : 10 days

Program Dates : October 28 – November 6, 2015

Eligibility : Assistant Professor and above from Agricultural and allied Universities, Consortia partner institutes of TELAgE, Central Agricultural Universities, and Scientists in equivalent cadres from ICAR Deemed Universities and Institutes.

Program Fee (₹) : Nil

Core contents : Concepts of Technology Enhanced Learning (TEL), E-teaching techniques, E-course development, Virtual Learning Environment and its management, Latest trends in TEL, practice of TEL

Program Directors : G.R.K. Murthy (gr.murthy@icar.gov.in)
D. Thammi Raju (dt.raju@icar.gov.in)

F-13.: Training Program on Quantitative Techniques for Analysis of Breeding Experiments

Duration : 6 days

- Program Dates** : November 2-7, 2015
- Eligibility** : Assistant Professors / Scientists and above in the areas of Plant Breeding / Animal Breeding. Participants should possess some prior knowledge of statistics and computers
- Program Fee (₹)** : 7000/- (Non-ICAR participants)
- Core contents** : Design of experiments; analysis of experiments for varietal evaluation; Design and analysis of experiments of plant and animal breeding; estimation of genetic parameters; G x E interactions; Stability and selection; Analysis of QTL; Multivariate techniques
- Program Directors** : A. Dhandapani (a.dhandapani@icar.gov.in)
S. Ravichandran (s.ravichandran@icar.gov.in)

F-14.: Faculty Development Program on “Educational Technology”

- Duration** : 7 days
- Program Dates** : December 9-15, 2015
- Eligibility** : Not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural / Veterinary / Horticultural / Fishery Universities / ICAR Deemed Universities / Central Universities with Agriculture faculty
- Program Fee (₹)** : 10000/- (Non-ICAR participants)
- Core contents** : Develop teaching competency through innovative methods leading to quality improvement in higher agricultural education; Integration of teaching with technology, insight on emerging teaching methods and knowledge management practices
- Program Directors** : P. Ramesh (ramesh.p@icar.gov.in)
K.H. Rao (kh.rao@icar.gov.in)

F-15.: Training Program on Administration and Finance Management

- Duration** : 6 days
- Program Dates** : December 14-19, 2015

- Eligibility** : AO/FAO with 5-10 years of experience
- Program Fee (₹)** : Nil
- Core contents** : Pay fixation, Pension rules including new pension scheme, Financial Management and general financial rules, Purchase procedures, Communication skills, TA/LTC rules, Stress management, Administrative vigilance, Right to Information Act, 2005, Conduct rules, Leave rules, Disciplinary matters CCS (CCA) Rules, Contract labour (regulation and abolition) Act & industrial disputes Act, Importance provisions of the Constitution of India relating to labour laws, FMS/MIS in ICAR, ICAR rules and guidelines for professional service functions (training, consultancy, contact research and contract service).
- Program Directors** : D.D. Verma (dharam.verma@icar.gov.in)
Sanjay Kant (registrar.naarm@icar.gov.in)

F-16.: Training Program on Value Chain Management in Agribusiness (Under TBI Project)

- Duration** : 6 days
- Program Dates** : January 18-23, 2016
- Eligibility** : Scientists / Senior Scientists / Assistant Professors / Associate Professors from NARS in the discipline of Agribusiness Management / Agricultural Economics / any other faculty of biological sciences from NARS
- Program Fee (₹)** : 15000/- (Non-ICAR participants)
- Core contents** : Supply chain management of agricultural commodities, Agri-entrepreneurship, Institutional economics, Vertical coordination / integration in agri products, Value chains of successful case studies, Tools and techniques used in value chain analysis
- Program Directors** : B. Ganesh Kumar (ganesh.kumar@icar.gov.in)
N. Sivaramane (n.sivaramane@icar.gov.in)

F-17.: Training Program on Financial Analysis of Business Plans and IP Valuation (under TBI Project)

- Duration** : 5 days
- Program Dates** : February 16-20, 2016
- Eligibility** : Scientists engaged in agricultural research, Members of ITMU/ZTMCs in ICAR system, Personnel in BPD, Personnel with portfolio of issues on IP or technology transfer in any R&D group including researchers of public Research institutions, commercial research institutions, Business people and personnel from industry associations and academics
- Program Fee (₹)** : 15000/- (Non-ICAR participants)
- Core contents** : Science, technology and innovation in knowledge economy, Business Proposal Development, Writing a winning Business Plan, Quantitative methods for analysing the financial viability of businesses, Public sector-industry linkages, PPP mode, Technology commercialization and marketing, Techno-entrepreneurship, Innovation management, Intellectual Property Rights and Patents, Technology communication to the industry and negotiating with stake holders, New product development and technology life cycle, Project risk management, IP valuation and pricing
- Program Directors** : Manoj P. Samuel (manoj.samuel@icar.gov.in)
K. Srinivas (k.srinivas@icar.gov.in)

G. Workshops / Conferences / Seminars

These Programs provide a platform for dialogue for Indian and developing country NARS on issues of concern for national and international policy in agriculture, agricultural education and related sector. The Academy holds a number of workshops, conferences, seminars, and discussion groups, from time to time, focusing on areas of topical interest. The information emerging from these workshops/conferences/seminars serves as a useful resource material for many of the Academy's Programs. During the year, five workshops/conferences are planned to be conducted, the details of which are given below .

G.01.: Workshop on Current Trends in Agricultural Bioinformatics

- Duration** : 3 days
- Workshop Dates** : September 22-24, 2015
- Eligibility** : Scientists, Faculty and Officials of ICAR, SAUs, Research Scholars and other organisations working in agriculture and allied disciplines
- Workshop Fee (₹)** : 3000/- (Non-ICAR participants)
- Core contents** : Emerging bioinformatics applications; UNIX Command-Line Introduction; Internet and search engines; Database creation and databases and internet resources for Bioinformatics analysis; Similarity search and sequence alignment; Open Access in Bioinformatics; Biodiversity Informatics; Molecular Markers in crop improvement; Software for Molecular Marker Analysis; Genomics & Proteomics; Data mining in Bioinformatics; Bioinformatics inferences in Agriculture; RNA Sequencing; Introduction to R-Language; Big data and bioinformatics in Agriculture; IPR issues in Bioinformatics
- Workshop Directors:** M. Balakrishnan (m.balakrishnan@icar.gov.in)
Dinesh (IASRI)

G.02.: National Conference on Big Data and Its Applications in Agriculture

- Duration** : 2 days
- Conference Dates** : November 4-5, 2015
- Eligibility** : Scientists, Faculty of SAUs, NGOs, PPPs, other Government Organizations and Universities
- Conference Fee (₹):** 3000/- (Non-ICAR participants)
- Core contents** : Bring a platform to connect with big data experts in the field of agriculture to share their experiences, ideas and views
- Workshop Directors:** S. Ravichandran (s.ravichandran@icar.gov.in)
N.H. Rao (nh.rao@icar.gov.in)

G.03.: Workshop on Utilization of Social Media in National Agricultural Research System (NARS)

- Duration** : 2 days
- Workshop Dates** : December 2-3, 2015
- Eligibility** : Senior Faculty / Scientists / Extension Specialists / Policy makers / Administrators on innovation
- Workshop Fee (₹)** : 3000/- (Non-ICAR participants)
- Core contents** : Status of Social Media Utilization, Problems and prospects and road map for social media adoption in National Agricultural Research System
- Workshop Directors:** Bharat S. Sontakki (ss.bharat@icar.gov.in)
V.K.J. Rao (vkj.rao@icar.gov.in)

G-04.: Workshop on Strategies for Promoting Farmer Producer Organization (under TBI project)

- Duration** : 3 days
- Workshop Dates** : December 9-11, 2015
- Eligibility** : PC of KVK, Associate Professors from SAUs, Directors of Producer Companies etc.
- Workshop Fee (₹)** : 3000/- (Non-ICAR participants)
- Core contents** : FPO financing, Formation, objects, management, member benefits, reserve, dispute resolution etc., Producer Company, robust framework for the small producers for effective market linking., Challenges for Producer Company to farmer income., Building new business with FPO., Policy barriers in agri-marketing and how to resolve them.
- Workshop Directors:** P. Venkatesan (p.venkatesan@icar.gov.in)
Bharat S. Sontakki (ss.bharat@icar.gov.in)

G.05.: National Conference on Geo-spatial Applications in Agriculture

- Duration** : 3 days
- Workshop Dates** : February 4-6, 2016
- Eligibility** : Research scholars, Technical Officers, Scientists, Faculty of SAUs and other universities
- Conference Fee(₹)** : 3000/- (Non-ICAR participants)
- Core contents** : Bring a platform to connect with GIS/RS experts in the field of Agriculture to share their experiences, ideas and views with Agriculture research community
- Conference Directors** : S.K. Soam (sudhir.soam@icar.gov.in)
P.D. Sreekanth (pd.sreekanth@icar.gov.in)

International Training Programs

The Academy provides training opportunities for the scientists and managers from international institutions, involving particularly the developing countries, in the specialized areas in management of agricultural research, education and extension.

International participants are also encouraged to attend and participate in the other Programs of the Academy listed for the national participants in this booklet. In addition, the Academy offers customized training solutions and services to the international client organizations based on their specific demands in the following thematic areas:

- ◆ *Agricultural Research Management*
- ◆ *Human Resource Management*
- ◆ *Information Technology Applications in Agriculture*
- ◆ *Educational Technology*
- ◆ *Extension Systems Management*
- ◆ *Decision Support Systems (DSS) for Sustainable Agriculture*
- ◆ *Technology Management in Agriculture*
- ◆ *Training Management*
- ◆ *Developing Winning Research Proposals*
- ◆ *Administration and Financial Management*

Participants for the international Programs require prior approval from the Department of Agricultural Research and Education (DARE), Ministry of Agriculture, Government of India and the Indian Council of Agricultural Research. Since these clearances need at least three to four months time, the international participants are advised to plan accordingly in advance for enrolment in any of the Programs.

Sponsored Programs

Apart from the courses and programmes listed in this calendar, the Academy offers customized programmes in both off-campus and on-campus mode, on request from research, educational and other institutions in NARS in the following areas with core contents.

Agricultural Research Management

Global and national agricultural scenarios, Achievements and future perspectives of Indian agriculture, National Agricultural Research System in India, Research management process, Research project management cycle: problem diagnosis, priority setting, project planning and formulation, project management techniques, Monitoring and Evaluation of research projects, Impact assessment of agricultural research, Research-extension linkage, Multidisciplinary team building, World Trade Agreement (WTA), Intellectual Property Rights (IPR) and Patenting, Research proposal development

Human Resource Management

Personality development, Motivation, Time management, Interpersonal relations, Conflict management, Teamwork, Performance management, Leadership, Training and Development

Information Technology Applications in Agriculture

Information systems in agriculture, Digital content development, Web based applications, On-line learning and distance learning, e-learning, Content management, LMS, Evaluation and testing in e-learning, e content formats for e-Learning, Open source tools.

Educational Technology

Curriculum design and development, Instructional strategies, Concepts and principles of teaching and learning, student-centered learning, Student performance evaluation, Emerging concepts – e-learning, on-line learning, team teaching

Extension systems management

Outreach role of the institutions and employees, Systems perspectives, Innovative institutional arrangements in extension, Communication skills and strategies, Information and Communication Technologies, Personality development and soft skills for extension professionals

Decision Support Systems (DSS) for Sustainable Agriculture

Concepts of DSS and Sustainable agriculture, Information systems (GIS, GPS, etc.) and their management, Networks and their management, Digital content management, Data mining and warehousing, Precision farming

Technology Management in Agriculture

Intellectual Property Rights and their management in the areas of patents, Plant variety, Copy right trademarks and Geographical indicators, Technology valuation and Technology commercialization

Training Management

Concepts of training, Needs assessment, Curriculum design and delivery, Training methods, Training logistics management, Evaluation and impact assessment of training

Developing Winning Research Proposals

Preparing effective concept notes and project proposals in prescribed formats, Project management techniques, Logical framework, Project budgeting, Designing output and outcome indicators for monitoring and evaluation, Writing tips, Editing, Benchmark evaluation of proposals

Administration and Financial Management

Responsive administration, Interface complexities, Conduct rules, TA and DA rules, Vigilance and disciplinary matters, Finance management, Purchase procedures, Inventory management

Month-wise Listing of Capacity Building Programs

April 2015

- (I) MDP for newly recruited PCs of KVKs (April 16-30, 2015)
VKJ Rao & N. Sandhya Shenoy

May 2015

- (i) Foundation Course for Faculty of Agricultural Universities (May 1-30, 2015)
D. Thammi Raju & P. Venkatesan

June 2015

- (I) Training Program on Priority Setting, Monitoring and Evaluation (PME) (June 2 - 6. 2015)
K. Srinivas & B. Ganesh Kumar
- (ii) MDP on Leadership Development (a pre-RMP Program) (June 16-27, 2015)
P. Manikandan & N. Sandhya Shenoy
- (iii) Training Program on Stress Management (June 16-19, 2015)
A. Debnath & P. Ramesh

July 2015

- (I) 102 FOCARS (July 1 – 30 September, 2015)
K. Srinivas & S. Ravichandran
- (ii) EDP on Leadership Development (July 27-31, 2015)
R. Kalpana Sastry & P. Manikandan
- (iii) Refresher Course on Agricultural Research Management (July 13-25, 2015)
K. Kareemulla & Surya Rathore

August 2015

- (i) Training Program on Consultancy Projects Management (August 3-7, 2015)
K. Kareemulla & RVS Rao
- (ii) Training on Administration and Finance Management (August 11-14, 2015)
Sanjay Kant & DD Verma

- (iii) Training Program on Analysis of Experimental Data (under TBI Project) (August 17-22, 2015)
S. Ravichandran & A. Dhandapani
- (iv) Competency Enhancement Program for Technical Officers of ICAR (sponsored by ICAR)
(August 19-29, 2015) PC Meena & PD Sreekanth
- (v) Training Program on Developing Winning Research Proposals in Agricultural Research
(August 25-29, 2015) SK Soam & NH Rao

September 2015

- (i) Training Program on Geospatial Analysis for Natural Resources Management using
Statistical Tools (September 2-11, 2015) PD Sreekanth & A. Dhandapani
- (ii) Training Program on Quantitative Techniques for Business Managers and Social Scientists
(Under TBI Project) (September 7-12, 2015) N. Sivaramane & A. Dhandapani
- (iii) Workshop on Current Trends in Agricultural Bioinformatics (September 22-24, 2015)
M. Balakrishnan & Dinesh (IASRI)

October 2015

- (i) Training Program on Impact Assessment of Agricultural Extension (October 5-9, 2015)
Surya Rathore & K. Kareemulla
- (ii) EDP on Academic Leadership Development for VCs (October 16-18, 2015)
D. Rama Rao & R. Kalpana Sastry
- (iii) Training Program on Agricultural Knowledge Communication (October 13-17, 2015)
M. Balakrishnan & SK Soam
- (iv) Training Workshop on Innovative Approaches to Technology Enhanced Learning (under
TELAGe Project) (October 28 – November 6, 2015) GRK Murthy & D. Thammi Raju

November 2015

- (i) MDP on Leadership Development (a pre-RMP Program)
(November 30 – December 11, 2015) RVS Rao & P. Ramesh
- (ii) Training Program on Quantitative Techniques for Analysis for Breeding Experiments
(November 2-7, 2015) A. Dhandapani & S. Ravichandran

- (iii) National Conference on Big Data and Its Applications in Agriculture (November 4-5, 2015)
S. Ravichandran & NH Rao

December 2015

- (i) FDP on Educational Technology (December 9-15, 2015) P. Ramesh & KH Rao
- (ii) Training on Administration and Finance Management (December 14-19, 2015)
DD Verma & Sanjay Kant
- (iii) Workshop on Utilization of Social Media in National Agricultural Research System
(December 2-3, 2015) Bharat S. Sontakki & VKJ Rao
- (iv) Workshop on Strategies for Promoting Farmers Producer Organization (under TBI Project)
(December 9-11, 2015) P. Venkatesan & Bharat S. Sontakki

January 2016

- (I) 103 FOCARS (January 1 – March 31, 2016)
K.H. Rao & N. Sivaramane
- (ii) Training Program on Value Chain Management in Agribusiness (January 18-23, 2016)
B. Ganesh Kumar & N. Sivaramane

February 2016

- (I) EDP on Leadership Development (February 22-26, 2016)
R Kalpana Sastry & N.H. Rao
- (ii) Refresher Course on Agricultural Research Management (February 23 – March 5, 2016)
Manoj P. Samuel & P. Venkatesan
- (iii) Financial Analysis of Business Plans and IP Valuation (under TBI Project)
(February 16-20, 2016) Manoj P. Samuel & K. Srinivas
- (iv) National Conference on Geo-spatial Applications in Agriculture (February 4-6, 2016)
SK Soam & PD Sreekanth

Facilities at NAARM

The Academy's green campus spread on a 50 ha area provides an ideal academic ambience. The training logistic facilities available on the campus include

- 10 air conditioned Lecture halls with modern audio-visual aids besides Laboratories for computer, GIS, multimedia, e-learning, video production and organizational behavioural studies and exercises, committee rooms, discussion rooms and conference halls,
- Residential facilities to accommodate 300 trainee-participants and guest faculty/resource persons
- Wi-Fi enabled broad band internet service with access inside and around the class rooms and hostels,
- Well equipped library and digital library with Software for automation, R&D applications including patent search, Statistical databases and publications in digital format. As a member of the Consortium of e-Resources in Agriculture, NAARM library has direct access to over 2000 journals from EBSCO, CSIRO, Springer, and Open J-Gate.
- Sports complex with separate facilities for indoor and outdoor games,
- On-campus health centre

Faculty Profile

A. Debnath

Chief Medical Officer

Ph. 040-24581374; Email: debnath.a@icar.gov.in

Clinical aspects related to stress and stress management, Yoga, Preventive and Social Medicine

A. Dhandapani

Professor & Principal Scientist

Information and Communication Division

Ph. 040-24581339; Email: a.dhandapani@icar.gov.in

Statistics, Software Development for Statistical Designs and Analysis, Information Management, MIS, ERP

B. Ganesh Kumar

Professor & Principal Scientist

Agri-Business Management Division

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Impact Assessment of Agricultural Policies, Livestock and Fish Marketing Systems, Operations Management, Financial Management.

Bharat S. Sontakki

Professor & Principal Scientist

Extension Systems Management Division

Ph. 040-24581327; Email: ss.bharat@icar.gov.in

Communication Skills, Participatory Methods for Agricultural Research and Extension, Education Technology, Prioritization, Monitoring and Evaluation of Agricultural Research and Extension

D. Rama Rao

Director

Ph. No. 040-24015070 Email : d.ramarao@icar.gov.in

Project Management, Decision Support Systems, Planning and Forecasting, e-Learning and technology in education and knowledge management in agriculture.

D. Thammi Raju

Professor & Principal Scientist

Education Systems Management Division

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Pedagogy in higher education- Teaching methodologies - Extension and Communication Management - ICTs in Livestock Extension - Expert systems - Education Information Systems

D.D. Verma

Comptroller

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Financial rules and Purchase Procedures, TA rules, New Pension Scheme

G.P. Reddy

Professor & Principal Scientist

Agri-business Management Division

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Economics, Marketing, Financial and Agri-business Management, Agricultural Research Management

G.R. Ramakrishna Murthy

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Information Management, Supply Chain Management, e-Agribusiness, e-Learning, Farm Machinery Management

K. Kareemulla

Professor & Principal Scientist

Research System Management & Policies Division

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Project Management, Agricultural Finance, Agribusiness Management, Natural Resource Economics, Policy and Institutional Analysis, Impact Assessment, Watershed Development

K. Srinivas

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Economics and Marketing, Agricultural Finance, Micro-Finance Management, Agricultural Research Management

K.H. Rao

Professor & Principal Scientist

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Human Resources Management, Organizational Behaviour, Educational Technology, Stress Management, Sustainable Livestock Production Management, Livestock Product Technology, Supply Chain Management, Retail Management

M. Balakrishnan

Assoc. Professor & Senior Scientist

Information and Communication Division

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Networking and Applications, prediction Modelling, Artificial neural Networks, Genetic Algorithm and Information Systems, Forecasting model, Computational biology, Molecular Modelling, Genome Sequencing, Genetic Algorithm Data mining, development of Software/tools for bioinformatics applications etc.

Manoj P. Samuel

Professor & Principal Scientist

Agri-Business Management Division

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Environmental modelling and assessment, operations research, watershed management and livelihood development strategies, marketing management, technology demonstration and dissemination, common-pool resource management, pollution management

N. Sandhya Shenoy

In-charge Head, Extension Systems Management Division

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Gender Issues, Information Management, Rural Marketing, Participatory Management

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Econometrics, Market Analytics, International Trade, Agricultural Marketing, Microeconomics

N.H. Rao

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Quantitative Methods, Geographical Information System (GIS), Agricultural Research Management

P. Manikandan

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In-charge Head, Research System Management & Policies Division

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Human Resources Development, Organizational Behaviour, Leadership, Conflict Management, Negotiation Skills, Management of Change

P. Ramesh

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Indigenous Technical Knowledge, Participatory Technology Development, Participatory Impact Monitoring and Assessment, Tribal Development, Technology Assessment and refinement Socio-economic and environmental Impact assessment

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Soft computing tools, Visual Basic, SQL, ASP, GIS and Multimedia tools

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Sanjay Kant

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Information Management, Marketing Management, Rural Marketing, Market Communication, Participatory Management

General Information

Eligible participants may apply online using TMIS link on NAARM website (www.naarm.org.in/training) or send the filled-in nomination form available from the website and send it to **OIC, Academic Cell**, ICAR-NAARM, Rajendranagar, Hyderabad – 500 030.

Course/Program Fee includes boarding and lodging charges in the guesthouses/hostels on the campus of the Academy for non-ICAR participants. For ICAR participants, there is no course fee, but boarding and lodging charges have to be borne by the participants/sponsoring institutes. The course/Program fee may be sent in the form of a demand draft drawn in favour of **'ICAR Unit Account NAARM'**. All the courses offered by the Academy are fully residential, and the participants are expected to stay in the fully-furnished hostel rooms of the Academy.

Hyderabad is well connected with all parts of the country by air, rail, and road. The Academy is located adjacent to the Acharya N.G. Ranga Agricultural University and National Institute of Rural Development (NIRD), Rajendranagar. It is at a distance of about 20 km from Hyderabad International Airport, Shamshabad, 25 km from Secunderabad Railway Station, 16 km from Hyderabad (Nampally) Railway station, 16 km from Kacheguda Railway Station, and 12 km from Imlibun/Mahatma Gandhi Bus Station. Participants are advised to make their return journey reservations at their own end, as it will be difficult to get air or rail reservation, after their arrival at Hyderabad.

Further details will be available in Program brochures which will be placed on our website 2-3 months before commencement of the Program. For Program specific queries if any, the interested participants may contact concerned Program Directors.

For other details contact:

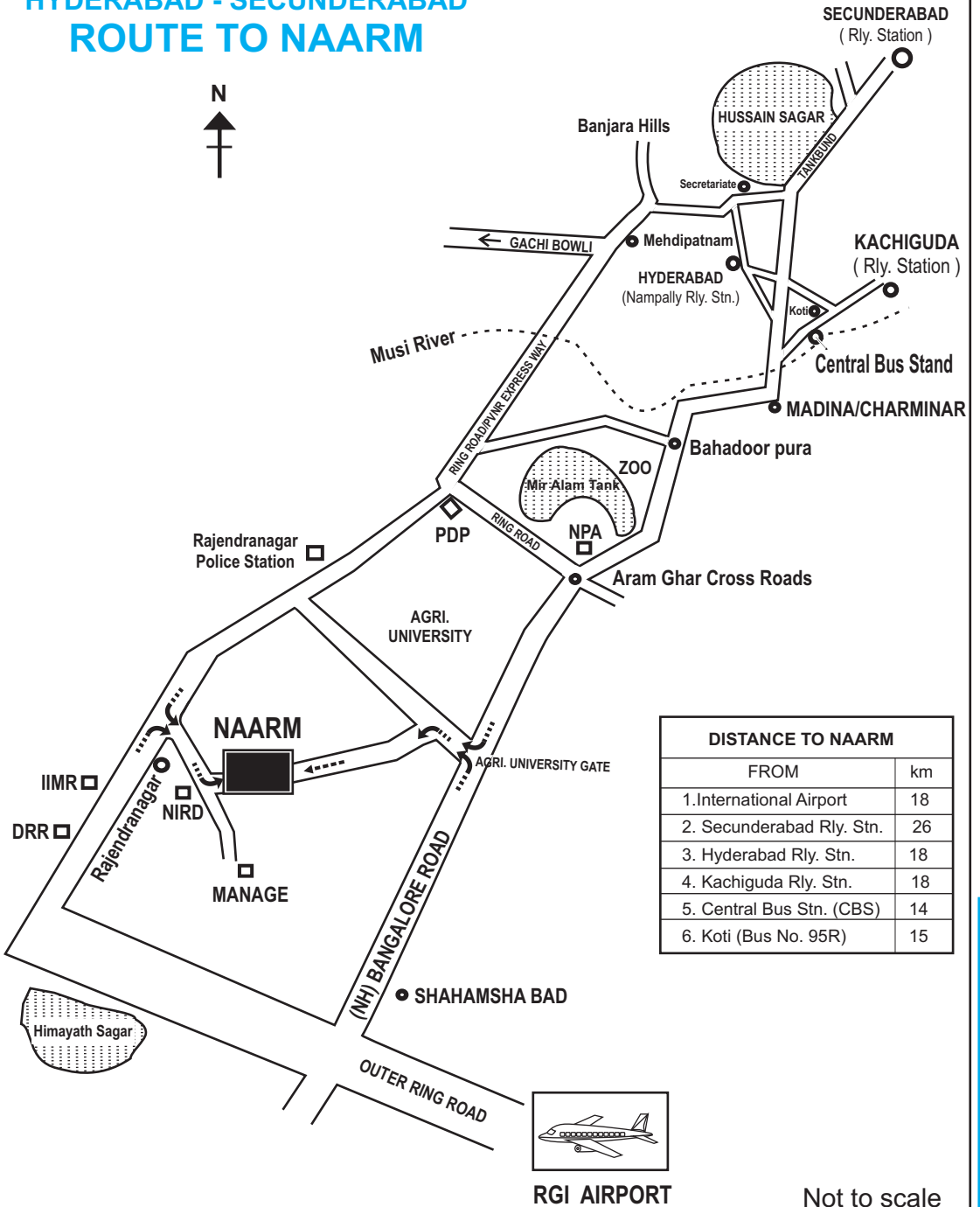
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HYDERABAD - SECUNDERABAD ROUTE TO NAARM



RGI AIRPORT

Not to scale