

**GOKHALE INSTITUTE OF POLITICS AND ECONOMICS**  
(Deemed to be a University)  
Pune 411004

**ANNUAL REPORT**  
**1997-98**

**GOKHALE INSTITUTE OF POLITICS AND ECONOMIC**  
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**Introduction**

The Gokhale Institute of Politics and Economics is one of the oldest research and training institutes in economics in the country. It was founded on the 6<sup>th</sup> of June 1930 with an endowment offered to the Servants of India Society by the late Rao Bahadur R. R. Kale, Member of Legislative Council from Satara. The Servants of India Society, founded by late Shri Gopal Krishna Gokhale, are the Trustees of the Institute. The Institute is registered under the Societies Registration Act, 1860, and the Bombay Public Trusts Act, 1950.

The object of the Institute is to conduct research into the economic and political problems of India and to train research workers in these subjects. Under the pioneering leadership of late Professor D.R.Gadgil, the first Director of the Institute, the Institute set standards for high quality research and training in a number of branches of economics.

Keeping in view the eminence of the faculty, the contribution the Institute has made in teaching, training and research in economics, the availability of physical infrastructure and the potential of the Institute, the Government of India, on the advice of the University Grants Commission, declared the Institute as deemed to be a university from May 9, 1993, the birthday of late Shri Gopal Krishna Gokhale after whom the Institute is named. The Institute started functioning as deemed to be a University with effect from that day.

**Research :**

The main thrust areas of the Institute, developed over the years through financial assistance from various sources, are agricultural economics and rural development, population studies, input-output studies for planning and development, microeconomics, macroeconomics, monetary economics and finance and the study of economics of East European countries.

Various ministries and public funding agencies including the Government of Maharashtra and Private foundations like the Sir Dorabjee Tata Trust financed the research activities of the Institute in the early years. Subsequently, in 1954 the Union Ministry of Food and Agriculture established and have supported the Agro-Economic Research Centre of the Institute. During the early '50, the Rockefeller Foundation made a substantial grant, spread over years, for the conduct of a research programme in rural demography. By the time this grant came to an end, the Union Ministry of Health, which had given grants for conducting some specific demographic studies in 1954-57, decided in 1964 to strengthen and expand the research work on Population by financing on a continuing basis a Population Research Centre as an integral part of the Institute. The Ford Foundation gave a very generous financial assistance for more than a decade beginning with the year 1956. Later on, the Ford Foundation in co-operation with the Planning Commission provided a separate grant for research and training in the areas of planning and development mainly devoted to input-output studies. This has been continued by the Planning Commission. The Planning Commission has also given an endowment grant to the Institute to institute a Chair and unit at the Institute for promoting teaching, research and informed debate on all issues relating to Planning and

Development. The above-mentioned Chair is named as 'Professor D.R.Gadgil Chair in Planning and Development'.

In 1962, the University Grants Commission recognised the Institute as a Centre of Advanced Study in Agricultural Economics to start with and later in 1964, as a Centre of Advanced Study in Economics. In 1977, the U.G.C., as a part of its Area Studies Programmes, established at the Institute a Centre of Study of Economics of East European Countries. In the same year, the Reserve Bank of India instituted a Chair in Finance at the Institute. In 1988, the U.G.C. decided to institute a Chair in Applied Economics at the Institute at the instance of South Asian Association for Regional Co-operation (SAARC). In 1989, the Ford Foundation gave a generous endowment grant to the Institute to institute a Chair and to establish a section in international economics at the Institute, to carry out research activities in international economics and related subjects. The Ford Foundation grant also included support for the post of a Librarian and for acquisition of books and journals. The U.G.C. has recently reviewed the work of the Institute as a Centre of Advanced Study in Economics and on the basis of the recommendation of the Review Committee approved the continuation of its assistance under the Special Assistance programme for the next five years.

#### Teaching:

The Institute, right from its inception, was affiliated to the University of Bombay; it conducted the M.A. Programme in economics and supervised the work of students working for research degrees of that University. In 1949, with the establishment of the University of Poona, the Institute became a constituent recognised institute of the University of Poona. Till a few years ago, the Institute was functioning, for all academic purposes, as the Department of Economics of this University. With the decision of the University of Poona, to establish a separate department of economics at its campus, the Institute, as Centre of Advanced Study in Economics, was granted effective autonomy by the University of Poona in 1986 in designing courses and in teaching and examination of M.A. courses in economics of the University. As stated earlier, the Institute has been granted by the Government of India the status of deemed to be a University with effect from May 9, 1993. With the grant of this status, the Institute now awards its own M.A. and Ph.D. degrees in economics. The syllabi of the courses offered at the Institute were thoroughly revised considering the recommendations of the committee constituted for that purpose.

#### Training :

In 1988, the University Grants Commission selected the Institute and extended assistance to it, for conducting refresher courses in economics for in-service university and college teachers from the western region of the country. After the grant of Deemed to be a University status to the Institute in 1993, the U.G.C. extended in 1994, the catchment area for the refresher courses to be conducted at the Institute to the entire country.

#### Library :

The Institute shares the Library of the Servants of India Society and has been mainly responsible for building it up during the last six decades. The library is considered to be one of the foremost specialised libraries in India in the fields of economics and other related social sciences. The library has 2,44,612 volumes and 436 journals and periodicals, received on subscription, exchange, gift and depository basis. The library has microfilm camera and microfilm and micro-

fiche readers and a documentation section. With a view to making known addition of books to the library and the contents of the journals currently received in the library, two fortnightly lists, namely Fortnightly List of Additions and Fortnightly List of Articles on India are brought out regularly and circulated in mimeograph form.

#### **Computer Section :**

In the Computer Section, the facilities for data processing are available to researchers. The Institute offers consultancy and guidance service in data processing in collaboration with the Indian Council of Social Science Research. Presently, the Institute has three Digital Pentium 166 MHz, three Pentium 100 MHz, one Digital Server 180 MHz connected in LAN and two HCL PCs, one DCM Tandy 1000 PC. The Computer Section also has the softwares namely, Shazam, SPSS version 7.5, MS-Office 97, MS-Windows 95, MS-DOS 6.22, Lotus 123, Word Star 3.3, Word Perfect 5.1, Harvard Graphics and other specially written programmes. The Computer Section also has one Laser Printer HP-4P, one Desk-jet Printer HP-520, one Desk Jet 670c, one EPSON LQ 1070+ and four Dot Matrix Printers.

#### **Publications:**

The Institute has been regularly publishing, since 1959, a quarterly journal of economics in English, Artha Vijnana. This journal publishes results of research work carried out in the Institute as well as works of scholars from outside the Institute. The Institute publishes research works in the form of books and mimeograph series. The R.B.R.R. Kale Memorial Lecture, organised by the Institute every year on the occasion of Founder's Day, is published under the Kale Memorial Lecture Series.

## Annual Report 1997-98

The Institute has pleasure in presenting the Annual Report of its activities for the year 1997-98.

### **I List of Research Studies Completed by the Members of the Faculty of the Institute: 1997-98**

- 1 **Agricultural Exports of India with Special Reference to Non-traditional Commodities : Future Prospects and Policy Issues by Deepak Shah and Ashok K.Mitra**
- 2 **Land Reforms and Agrarian Structure in Maharashtra by R.S.Deshpande**
- 3 **Issues before the Second Irrigation Commission of Maharashtra by R.S.Deshpande and A. Narayanamoorthy.**
- 4 **Economics of Drip Irrigation : A Comparative Study of Maharashtra and Tamil Nadu by A. Narayanamoorthy and R.S.Deshpande**
- 5 **Electricity Use in Indian Agriculture : Trends and Determinants by A. Narayanamoorthy**
- 6 **Demographic Transition in Maharashtra, with Special Reference to the Period 1980-92 by Sanjeevane Mulay**
- 7 **How Free is the Target Free Family Planning Programme : An Evaluation in Satara District by Sanjeevane Mulay**
- 8 **Assessment of Client Satisfaction with the FW Services under Target Free Approach : A Study in Sangli District by Sanjeevane Mulay**
- 9 **Evaluation of Special School Health Check-up Scheme for Primary Schools in Maharashtra by R. Nagarajan**
- 10 **Household Amenities in the Context of Development in Maharashtra : District Level Analysis of 1991 Census by Usha Ram**
- 11 **Assessment of the Client Satisfaction with respect to Family Welfare and MCH Services in Nanded District of Maharashtra by Usha Ram**
- 12 **Comparison of the Findings of the Rapid Surveys Undertaken in Pune and Nanded Districts of Maharashtra by Usha Ram and Sanjeevane Mulay.**

### **I. Research Studies/Reports in Progress :**

- 1 **Changing Structure of Agricultural Exports of Eastern Europe in Transition by Ashok K.Mitra**
- 2 **Development and Management of Irrigation in Maharashtra with Special Reference to Major, Medium Surface Irrigation Systems by Ashok K.Mitra**
- 3 **Evaluation of National Watershed Development Programme (Consolidation of Studies) by R.S.Deshpande**
- 4 **Economics of Export Oriented Horticultural Crops of Maharashtra by Deepak Shah**
- 5 **Economics of Pulses Production and Identification of Constraints in Raising their Production by A. Narayanamoorthy**

- 6 Impact of Change in Fertiliser Prices on Fertiliser Consumption : Special Focus on Farmers without any Marketable Surplus in Maharashtra by A. Narayanamoorthy and R.S.Deshpande
- 7 Economics of Poultry Development and Role of Unorganized Sector by Sangeeta Shroff
- 8 Agrarian Transition in Eastern Europe by N. Rajasekaran
- 9 Assessment of Client Satisfaction with the FW Services under Target Free Approach : A Study in Nagpur District by Sanjeevane Mulay
- 10 Migration for Survival : A Study in Bhir District by Sanjeevane Mulay
- 11 Assessment of Coverage, Quality and Client Satisfaction with Respect to Family Welfare and Maternal and Child Health Services in Ahmednagar District, Maharashtra by R. Nagarajan
- 12 Adolescent Fertility in Rajasthan : Is there any Change ? by Usha Ram
- 13 Economic Reforms, Drug Prices and Health Care Spending in India : 1981-1996 by S. Thiruvekitaswamy
- 14 Economic Reforms, Drug Prices and Health Care Spending in Maharashtra : A Survey Analysis by S. Thiruvekitaswamy
- 15 Macroeconomics of India by V.S.Chitre
- 16 Human Life Cycle, Real Interest Rate, Savings and Economic Growth by V.S.Chitre and P.D.Singhal
- 17 Agricultural Modernization and the Trend of Social Inequality in Rural Maharashtra by B.B.Mohanty
- 18 Industrial Energy Efficiency over the Period 1979 to 1992 across Indian Regions by Latika Argade
- 19 Impact Evaluation on Integration of Population Education in Adult Literacy Programmes : Maharashtra and Andhra Pradesh (POPED-UNFPA) by S.N.Gadam
- 20 Impact Study of Total Literacy Campaign and Post Literacy Programme in Pune District by S.N.Gadam
- 21 External Evaluation of Total Literacy Campaign of Yavatmal District by S.N.Gadam
- 22 External Evaluation of Total Literacy Campaign of Mumbai District (Phase I) by S.N.Gadam

**III List of papers, Chapters in Books and Monographs by the Academic Staff Published during the year 1997-98:**

- 1 Irrigation Management and Pricing of Irrigation Water, Occasional Paper Series No.4, Published by National Bank for Agricultural and Rural Development, Mumbai, 1997, by Ashok K. Mitra
- 2 "Private and Public Investment in Agriculture" in B.M.Desai (ed), Agricultural Development Paradigm for the Ninth Plan under New Economic Environment, Oxford and IBH Publishing Co. Ltd., New Delhi, 1997, by Ashok K. Mitra

3. Operation and Maintenance Cost, Financing and Pricing of Irrigation Water in Maharashtra in respect of Major and Medium Irrigation Systems in Maharashtra (translated in Marathi), Artha Samvad, July-September 1997, by Ashok K. Mitra
4. "A Policy Review of Irrigation Sector in Maharashtra" in S.G. Bhanushali and A.G.Pujari (edited), Changing Perspectives in Indian Agriculture, RRDFC Publishers, Kolhapur, by R.S.Deshpande and A. Narayanamoorthy.
5. 'विकास पातळीची मानव विकास निर्देशांकाच्या सहाय्याने क्रमवारी : भास व वास्तवता', अर्थबोध, खंड 3, अंक 3, 1998, by R.S.Deshpande
6. 'महाराष्ट्रातील जलसिंचन क्षेत्र : किंमत निर्धारण आणि वित्तीय बाबी', अर्थसंवाद, खंड 21, अंक 2, जुलै - सप्टेंबर 1997 by R.S.Deshpande, A.Narayanamoorthy and Atul Deshpande
7. "Land Reforms and Agrarian Structure in Maharashtra" Journal of the Indian School of Political Economy, December 1997, by R.S.Deshpande
8. "Co-operative Dairying in Maharashtra : Lessons to be Learned", Economic and Political Weekly, Vol. 32, No.39, September 1997, by Deepak Shah
9. "Foodgrain Production in India : A Drive Towards Self Sufficiency", Artha Vijnana, Vol.39, No.2, 1997, by Deepak Shah
10. "Bovine Mortalities in Maharashtra : An Intra-Regional Analysis", The Asian Economic Review, Vol.39, No.2, 1997, by Deepak Shah
11. "Rapporteur's Report on Groundwater Management - Problems and Issues", Artha Vijnana, Vol. 39, No.3, 1997, by Deepak Shah
12. "Dairy Cooperatives in Maharashtra : Problems and Prospects", in Gursharan Singh Kainth (ed.), India's Rural Cooperatives, 1997, by Deepak Shah
13. "Agricultural Exports Potential of India" in S.G.Bhanushali and A.G.Pujari (ed.), The Changing Economic Environment in Changing Perspectives in Indian Agriculture, March 1998, by Ashok K. Mitra and Deepak Shah
14. "Changing Structure of Horticultural Production in Maharashtra : Trends and Indicators", Indian Journal of Agricultural Economics, Vol. 52, No.3 (Summary), 1997, by Deepak Shah
15. "Production Potentialities of Export Oriented Horticultural Crops of Maharashtra", Productivity, Vol. 38, No.4, January-March 1998, by Deepak Shah
16. "Making Milk Production Viable to Farmers - An Analysis of Co-operative Approach", Agricultural Situation in India, Vol. 51, No.6, September 1997, by Deepak Shah
17. "Productivity of Milch Animals and Growth and Instability of Milk Production in Maharashtra", Agricultural Situation in India, Vol. 56, No.11, February 1998, by Deepak Shah
18. "Drip and Surface Methods of Irrigation in Maharashtra : A Comparative Field Level Analysis", Prajnana, Vol. 26, No.4, Jan-March 1998, by A Narayanamoorthy
19. "Economic Viability of Drip Irrigation : An Empirical Analysis from Maharashtra", Indian Journal of Agricultural Economics, Vol. 52, No. 4, October-December 1997, by A Narayanamoorthy

- 20 "Beneficial Impact of Drip irrigation : A Study Based on Western India", Water Resources Journal (Thailand), No. ST/ESCAP/SER C/195, December 1997, by A. Narayanamoorthy
- 21 "Drip Irrigation : A Viable Option for Future Irrigation Development", Productivity, Vol. 38, No.3, October-December 1997, by A. Narayanamoorthy
- 22 "Impact of Electricity Tariff Policies on the Use of Electricity and Groundwater : Arguments and Facts", Artha Vijnana, Vol. 39, No.3, September 1997, by A. Narayanamoorthy
- 23 "Environmental Concern and Drip Irrigation Technology : A Study Based on Experimental and Field Level Data", (Abstract), Indian Journal of Agricultural Economics, Vol. 52, No.3, July-September 1997, by A. Narayanamoorthy
- 24 "Crop Diversification and Yield Response to Fertilisers", Productivity, Vol. 38, No.1, April-June 1997, by A. Narayanamoorthy
- 25 "Drip Irrigation in India : Prospects and Potentials", Agricultural Situation in India, Vol. LIV, No.9, December 1997, by A. Narayanamoorthy
- 26 "A Policy Review of irrigation Sector in Maharashtra", in S.G.Bhanushali and A.G.Pujari (eds.), Changing Perspectives in Indian Agriculture, 1998, by R.,S.Deshpande and A. Narayanamoorthy
- 27 "Micro-Irrigation for Sustainable Agriculture", The Hindu (Madras), January 8, 1998, by A. Narayanamoorthy and R.,S.Deshpande
- 28 "Efficiency of State Intervention in Cotton Marketing in India", Indian Journal of Agricultural Economics, Vol. 52, No.2, April-June 1997, by Sangeeta Shroff
- 29 "Farmers, Sustainability and Watershed Programme", Economic and Political Weekly, Vol. 32(26), by N. Rajasekaran
- 30 "Political and Economic Determinants of the Burden of Union Loans to States in the Indian Federation", The Indian Journal of Economics, Vol. 78(308), July 1997, by N. Rajasekaran
- 31 "Impact of Watershed Development Programme : Experiences and Issues", Artha Vijnana, Vol. 39(3), by N. Rajasekaran and R.,S.Deshpande
- 32 "Rapporteur's Note on Water Management System", Artha Vijnana, Vol. 39(3), by N. Rajasekaran
- 33 "Landholding, Child-labour and Schooling", Journal of Rural Development, Vol. 16, No.2, 1997, by R.Nagarajan
- 34 "Fertility and Family Planning in Maharashtra and Tamil Nadu : A Comparative Study", Mankind, Vol. 2, No.9, 1997, by R. Nagarajan
- 35 "Lower Fertility:Tamil Nadu's Success", The Hindu, October 8, 1997, by R. Nagarajan
- 36 "Why Maharashtra Lags Behind Tamil Nadu in Fertility Reduction", Maharashtra Herald, November 8, 1997, R.Nagarajan
- 37 "Child Health in Maharashtra : A Rural-Urban Comparison", Kurukshetra, Oct-Nov., 1997, by S.Thiruvengidaswamy
- 38 "Foreign Capital Flows and Financial Markets in India", Journal of Foreign Exchange and International Finance, Vol.X, No.4, 1997, by V.S.Chitre



39. "Capital Account Liberalisation : Some Current Issues, in Conference Volume, Indian Economic Association, 1997, by S.Mukherjee
- 40 "Can the Sa(va)ge Speak?" Rethinking Marxism, 9(2), 1996-97, by Anjan Chakrabarti
- 41 Book review of Archana Ghosh and S.Sami Ahmed 'Plague in Surat : Crisis in Urban Govrnance", Artha Vijnana, Vol. XXXIX, No.4, 1997, by B.B.Mohanty
- 42 "State and Tribal Relationship in Orissa", Indian Anthropologist, Vol.27, No.1, 1997, by B.B.Mohanty
- 43 "Who Pays the Tax : A Study of Incidence of Indirect Taxes in India", Gayatri Publications, New Delhi, January 1998, by Pawan K. Aggarwal
- 44 "Revenue Sharing with the Linear Distance Criterion", Artha Vijnana, Vol. 39, No.4, December 1997, by Pawan K. Aggarwal
- 45 "Modified Value Added Tax (MODVAT) Reforms and Revenue Productivity" in Shome, Parthasarathi (1997) (ed.), Value Added Tax in India : A Progress Report, Centex Publications, New Delhi, by Pawan K. Aggarwal
- 46 "Modified Value Added Tax (MODVAT): Structure and Resource Mobilisation", a contribution made in India ; Tax Policy for the Ninth Five Year Plan (1997-98 to 2001-02) - Report of the Working Group on Financial Resources, 1997, Centex Publications, New Delhi, by Pawan K. Aggarwal
- 47 "Tax Evasion and Tax Administration : A Focus on Tax Deduction at Source" in Shome, Parthasarathi (ed.), Fiscal Policy, Public Policy and Governance, Centex Publications, New Delhi, 1997, by Pawan K. Aggarwal
- 48 "Tax Administration" a contribution made in India : Tax Policy for the Ninth Five Year plan (1997-98 to 2001-02) - Report of the Working Group on Financial Resources, 1997, Centex Publications, New Delhi, by Pawan K. Aggarwal

#### IV Participation in Conferences, Seminars, Lectures, Work on Committees, etc.:

D.C.Wadhwa : Continued to work as a (i) Member, Advisory Committee, Western Regional Centre, Indian Council of Social Science Research, Mumbai; (ii) Member, Indian Historical Records Commission, Government of India, New Delhi; (iii) Member, Governing Council, Tribal Research Institute, Government of Maharashtra, Pune; (iv) Member, Governing Board of the Centre for Multi-Disciplinary Research, Dharwad; (v) Member, Committee to Examine the Deficiencies in Management, and Other Matters relating to the Co-operative Sugar Factories in the State of Maharashtra, Mumbai; (vi) Member, Advisory Committee, Shivaji University, Department of Economics, UGC Special Assistance Programme, Phase I : Departmental Research Support, Kolhapur; (vii) Member, Committee to Consider and Evolve the Norms for Evaluating the Work of Recognised Research Institutes, appointed by the University of Pune, Pune. (viii) Member, National Standing Committee on Monitoring and Evaluation of Council for Advancement of People's Action and Rural Technology (CAPART), Ministry of Rural Areas and Employment, Government of India, New Delhi; (ix) Chairman, Sub-Committee on Monitoring and Evaluation of CAPART, New Delhi; (x) Honorary Fellow, Indian School of Political Economy, Pune; and (xi) सदस्य, प्रादेशिक अभिलेख सर्वेक्षण समिती, महाराष्ट्र राज्य, पुणे.

Visited the U.S.A., Canada, U.K., Germany, Austria, Sweden, and Italy from June 10, 1997 to November 12, 1997 under a grant from the Ford Foundation to study the working of the system of registration of title to land in these countries. In this connection, visited Chicago (Illinois), Cincinnati (Ohio), Santa Ana (California), Boston (Massachusetts), Minneapolis, St. Paul and Anoka (Minnesota), Portland (Oregon),

Seattle (Washington), Riverhead and New York City (New York), Madison (Wisconsin) and Lexington (Kentucky), in the United States. Studied the working of the title insurance industry in the U.S.A. and discussed the working of the industry and some of the leading title insurance companies with the officials of the American Land Title Association and those title insurance companies. Visited the Washington College of Law in Washington D.C. Had discussion with a number of officials of the lending banks and Lending Bankers' Association regarding the practice being followed by the lending banks in the U.S.A. of insisting on the title insurance. Visited different divisions of the World Bank in Washington D.C. and had discussions with officials there about World Bank supported projects on registration of title to land in different countries. Visited Edmonton (Alberta), Vancouver (British Columbia), Toronto (Ontario), Halifax (Nova Scotia), Moncton and Fredericton (New Brunswick), and St John's (Newfoundland) in Canada to study the system of registration of title to land in that country. In the U.K., visited Stevenage, London, Birmingham, and Oxford to study the working of the system of registration of title to land introduced there in 1897 and visited Edinburgh to study the procedure being followed in Scotland for the conversion of the system of deed registration into registration of title. Visited Potsdam formerly in East Germany, to study the procedure being followed in the territories of former East Germany for making the old records-of-rights in land up-to-date, after the unification of Germany. Visited Trier University in Trier, Germany, and gave a talk to the faculty and students of law on the status of records-of-rights in land in India. Studied the working of the computerised system of registration of title to land in Vienna (Austria) and the fully computer managed land information system in Gavle, Uppsala and Stockholm in Sweden. Also, visited the Food and Agriculture Organization of the United Nations in Rome (Italy) to discuss with the officials there about the projects on registration of title to land being supported by the FAO in different countries.

**V.S.Chitre :** Invited to participate in a discussion session on issues relating to monetary management organised by the Reserve Bank of India on April 7, 1997 and attended a meeting of a group of economists invited by the Prime Minister on September 9, 1997.

Delivered four lectures on Money, Finance and Economic Growth in the U.G.C. sponsored refresher course on Economics of Development organised at the Institute during January 1998.

(i) Worked as a member of a Search Committee appointed to identify and recommend a suitable candidate for the post of Director of National Institute for Public Finance and Policy, New Delhi. (ii) Invited to be a member of the Advisory (Editorial) Board of the ICRA Bulletin : Money and Finance. (iii) Nominated as a member of the selection committee for award of post-doctoral fellowships in environmental economics under the Capacity Building Project on Environmental Economics of the Ministry of Environment and Forests, Government of India. (iv) Continued to work as a member of the Governing Body as well as the General Body of the National Institute of Public Finance and Policy, New Delhi. (v) Continued to work as a member of the Technical Advisory Committee on Government Securities Market, appointed by the Reserve Bank of India. (vi) Continued to work as a member of the Advisory Committee for U.G.C.'s Special Assistance programme of the Department of Economics of (a) Jadavpur University, Calcutta, (b) Andhra University, Waltair, (c) Osmania University, Hyderabad and (d) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (vii) Worked as a referee for the Journal of the Indian School of Political Economy. (viii) Worked as Managing Editor of Artha Vijnana from January 1998.

**Ashok K. Mitra :** Presented a paper and chaired a session in the seminar-cum-workshop on Economic Aspects of Irrigation Water organised jointly by the Maharashtra State Second Irrigation Commission and Marathi Arthashastra Parishad on May 14, 15, 1997.

Participated in a Workshop on Common Property Resources Management Information System jointly organised by the Institute of Economic Growth, New Delhi and Econet, Pune, on March 17, 18, 1998.

Engaged (i) Two sessions (1 1/2 hours) each at the Tata Management Training Centre for in service engineers/executives in a Training Programme on Microeconomics and its applications on 06.05.1997 (ii) two sessions (1 1/2 hours each) to the participants of the Refresher Course organised by the Bombay University 19.1.1998. (iii) Three sessions for the participants of the Business Leadership programme of the Crompton Greaves Ltd., Mumbai, held at Thapar HRD Centre, Pune, on 16.12.1997. (iv) Two sessions (1 1/2 hours each) for the participants of the Refresher Course organised by the Development of Economics, Shivaji University on 24.12.1997. (v) Two sessions (1 1/2 hours each) for the officer trainees from Goa organised by Yashwantrao Chavan Academy of Development Administration, Pune, on 14.01.1998. (vi) One session in a seminar on 'Analytical Techniques in Agriculture' organised by Kisan 97-Indian Agriculture Trade Fair, in Pune on 29.01.1998.

Delivered (i) a lecture on East Asian Crisis to the MBA students of the Symbiosis Institute of Business Management, Pune on 15.02.1998. (ii) a lecture on Economic Liberalisation and Indian Agriculture under the UGC programme to the graduate students of Modern College, organised by the Planning Forum, Modern College on 19.02.1998.

Invited as expert to prepare short papers on Irrigation Management and on Benefit Cost Analysis of Irrigation Projects in Maharashtra (methodological issues) and also invited to participate in the meetings of the members by the Maharashtra State Second Irrigation Commission.

Continued to work as the Managing Editor of Artha Vijnana till December 1997.

Pawan K. Aggarwal : Attended a conference on Status of Socio-Economic Data, organised by the ICSSR at Indian Statistical Institute, Planning Unit, New Delhi, on 01.07.1997.

Participated (i) as a special invitee in a conference of Finance Ministers of States and Union Territories on Taxation of Inter-State Sales and Reform of Stamp Duty held at the Vigyan Bhawan, New Delhi, on 04.07.1997. (ii) in a conference on Alternatives for Resource Mobilisation for Public Sector Undertakings held at Yashwantrao Chavan Academy of Development Administration, Pune, during 17-19 September 1997.

Contributed a paper entitled 'On the Disintegrative Content of Criteria-Based Fiscal Transfers with a Case Study of India to the 1997 Congress of International Institute of Public Finance held in Kyoto, Japan during 25-28 August 1997.

R.S.Deshpande : Participated in (i) the National Seminar on "Employment and Poverty of Sical Groups in the Context of New Economic Policy" and presented a paper on 'New Economic Policy, Changing Agrarian Structure and Deprived Castes'. The Seminar was held at the Centre for Studies in Regional Development, Jawaharlal Nehru University, New Delhi, on April 3, 4, and 5, 1997 (ii) the workshop on "Issues before Second Irrigation Commission" and organised by the Second Irrigation Commission on Maharashtra and Marathi Arthashastra Parishad on 14<sup>th</sup> and 15<sup>th</sup> May 1997 and presented a paper on "Pricing and Financial Issues of Maharashtra's Irrigation Sector (jointly with Dr. A. Narayanamoorthy) (iii) the National Seminar on Rationale of Subsidies in the Contemporary Development Debate organised jointly by ICSSR and JNU at Jawaharlal Nehru University, New Delhi, on 18<sup>th</sup> and 19<sup>th</sup> November 1997. (iv) Presented a paper on "Some Methodological Misconcepts in Estimation of Subsidy" in the UNDP workshop on 'Human Development Report 1997' at Centre for Development Studies and Activities, Pune. (v) Participated in the INREM-ECONET workshop on Teaching of Natural Resource Economics in Indian Universities, held at Centre for Development Studies, Pune, on 30.01.1998. (vi) Contributed a paper to the National Seminar on "Facets of Rural Development : Tryst with 21<sup>st</sup> Century", held on 29<sup>th</sup> and 30<sup>th</sup> April 1997, at Department of Rural Development and Social Work, Sri Krishnadevraya University, Anantpur. (vii) Attended the annual meeting of Agro Climatic Regional Planning held at Planning Commission, Government of India, New Delhi on November 19, 1997. (viii) Participated in a seminar on Indian Economy as Chief Guest, Walchand College of Arts and Science, Solapur, on 9<sup>th</sup> February 1998.

Delivered (i) lectures at the refresher course in economics conducted by Uttar Maharashtra Vidyapeeth at Pratap College, Amalner on 13<sup>th</sup> and 14<sup>th</sup> August 1997, (ii) a lecture and participated in the Interface Session for IES probationers, held at RBI College of Banking, Pune, under the 12<sup>th</sup> Special Programme in Rural Banking, (iii) three lectures under the extension lecture series of the Department of Economics, Karnataka University, Dharwad on 'Agricultural Sector under New Economic Policy', (iv) two lectures on Methodology for Evaluating Watershed Development at the Programme on Cooperative Approach to Rural Development and Watershed Management organised by Vaikunth Mehta Institute of Cooperative Management, Pune, on 20<sup>th</sup> October 1997.

Organised a UGC sponsored refresher course in economics - Core subject : Economics of Development from 05.01.1998 to 25.01.1998.

Worked as (i) Ph.D. examiner of Mangalore University, Shivaji University, Dr. Babasaheb Ambedkar Marathwada University, Osmania University, Mysore University and Tilak Maharashtra Vidyapeeth. (ii) an expert on the committee to recognise Ph.D. supervisors of Shivaji University, Kolhapur and Bharati Vidyapeeth (Deemed University), Pune, (iii) as (1) Officiating Registrar, (2) Incharge, Computer and Statistical Section (3) Incharge, Agro Economic Research Centre.

S.N.Gadam : Attended (i) the Regional Workshop on External Evaluation of Total Literacy Campaigns as a Resource Person organized by the National Literacy Mission at New Delhi on May 23-24, 1997. (ii) a Workshop on Methodology for Concurrent Evaluation of Total Literacy Campaign for the Evaluating Institutions in Maharashtra as a Resource Person, organised by the Indian Institute of Education and the Government of Maharashtra in Pune (July 1997). (iii) Regional Workshops on External Evaluation of Post Literacy Programmes as a Resource Person organised by National Literacy Mission at Pune (November 24-26, 1997), Mysore (December 15-17, 1997) and Calcutta (March 25-27, 1997).

Invited to address the State Level Meeting of the District Adult Education Officers held in Pune on 17-18, October 1997 on External Evaluation of Total Literacy Campaigns on the subject, Methodology and the Role of Zilla Saksharata Samiti.

Delivered two lectures (i) Literacy and Development and (ii) Linear Programming for 27<sup>th</sup> UGC sponsored refresher course at the Institute.

Nomianted by the National Literacy Mission as member of the National Level Core Group on Evaluation for a period of two years from April 1997.

The National Literacy Mission chose Sangli district for Satyen Mitra Literacy Award for 1996. Since Dr. Gadam had carried out the external evaluation of the district he was felicitated by the Chief Minister of Maharashtra at a function in Mumbai (14.08.1997).

Sanjeevane Mulay : (i) Conducted a one-day seminar (20<sup>th</sup> September) for dissemination of the results of rapid surveys in Pune and Nanded for the Government officials. (ii) Participated in the workshop on 'Exchange of Experience with NFHS' held at IIPS, Mumbai, in November 1997. (iii) Participated in and presented a paper on 'Trends in Budgetary Expenditures on Health in India, 1960-90' at the International Conference on Changing Trends in Health in Developing Countries held at Vadodara in January 1998. (iv) Submitted a paper based on the evaluation in Satara district at the Annual Conference of IASP held at Varanasi in February 1998. (v) Participated in and worked as 'Discussant' at the workshop on 'Reproductive and Child Health and Family Planning Policy Issues in Maharashtra', organised by Government of Maharashtra and Centre for Health Policy and Promotion, Pune, at Pune during 13-15 May 1997.

Delivered lecture on 'Sampling Methods' at SNTD College.

Gave a talk on 'Current Population Issues' at the meeting of the Discussion group of the ISPE, Pune.

**M.P.Khare** : Delivered 4 lectures on Measurement of Growth and Measurement of Inequality in the 27<sup>th</sup> UGC Refresher Course at the Institute.

**Latika Argade** : Delivered refresher course lectures at North Maharashtra University and Shivaji University.

**S. Mukherjee** : Presented (i) a paper 'Capital Account Liberalisation : Some Current Issues' at the Indian Economic Conference held between 27-29 December 1997 at Osmania University, Hyderabad. (ii) a paper 'Private Capital Inflow to India : Push or Pull (1990-97)' at the Capital Market Conference at UTI Institute of Capital Markets, Vashi, Navi Mumbai, held between 26-27 December 1997. Got an award of Rs. 1000/- at the UTI Institute.

Participated in (i) a one day seminar on Reproductive and Sexual Rights under CEDAW held under the joint auspices of Women and Law Centre, ILS Law College and the Institute of Advanced Legal Studies (IALS) on 14.03.1998. (ii) a one day seminar on Major Trends in Modern Indian Poetry in English at the Department of English, Abeda Inamdar Senior College for Girls held on 21.02.1998.

**R.Nagarajan** : Participated in a three-day workshop on Reproductive Health and Family Planning Policy Issues in Maharashtra, jointly organised by the Directorate of Health Services, Mumbai, and the Centre for Health Policy and Promotion, Pune, during 13-15 May 1997.

Attended XXI Annual Conference of the Indian Association for the Study of Population (IASP), held at Centre for Population Studies, Department of Statistics, Banaras Hindu University, Varanasi, during 9-12 February 1998.

**Usha Ram** : Participated in (i) a workshop on 'Reproductive and Child Health and Family Planning Policy Issues in Maharashtra' organised by the Directorate of Health Services, Government of Maharashtra, Centre for Health Policy and Promotion, Pune, and the Institute of Health Management, Pachod, and sponsored by the Policy Project, The Future Group International, (ii) a workshop on 'Sensitization of the Officials of Population Research Centres and Regional Evolution Teams on Target Free Approach, held on 16.10.1997 at the India International Centre, New Delhi and organised by the Ministry of Health and Family Welfare, New Delhi. (iii) the 'South Asia POPIN Training Workshop on the Repackaging of Population Data and Information' held at IIPS, Mumbai, during 4-9 November 1997, the workshop organised by the ESCAP Population Division, Bangkok, Thailand and IIPS, Mumbai. (iv) Presented a paper entitled 'Household Amenities in Explaining Regional Variations in Infant and Child Mortality in Maharashtra' at the 21<sup>st</sup> Annual Conference of the IASP held during 9-12 February 1998 at the Banaras Hindu University, Varanasi.

Gave (1) a seminar for the DHOs for 'Dissemination of the Information of the Findings of the Rapid Survey' organised by the Institute. (2) a talk in the PRC Session-Studies on 'Population Research Centres' during the 21<sup>st</sup> Annual Conference of the IASP and the International Conference on Population Issues on the eve of 21<sup>st</sup> Century, held at the, Banaras Hindu University Varanasi.

**B.B.Mohanty** : Presented a paper titled 'Agricultural Modernization in Rural Orissa : Land Transfer and Ownership Pattern' to the faculty and students of the Institute on 28.11.1997.

**Anjan Chakrabarti** : Taught at Refresher course on Development Economics held at the Institute in January 1998.

**Deepak Shah** : (i) A research article entitled "Changing Structure of Horticultural Production in Maharashtra : Trends and Indicators" was presented in the 57<sup>th</sup> Annual Conference of the Indian Society of Agricultural Economics held at G.B.Pant University of Agriculture and Technology, Pantnagar, from 29<sup>th</sup> to 31<sup>st</sup> December 1997. (ii) Participated in INREM-ECONET Workshop on Teaching of Natural Resource

Economics in Indian Universities, jointly organised by the Indian Natural Resource Economics and Management (INREM) and ECONET, Centre for Development Studies and Activities, Bavdhan, Pune, January 30, 1998.

**N.Rajasekaran** : A paper accepted for presentation in the National Seminar on Sustainable Development with reference to Drought Prone Areas, Economics Department, Venketashwara University, Tirupati.

**A.Narayanamoorthy** : (i) Submitted a paper entitled "Irrigation Development in Maharashtra : A Review" to Agro-Climatic Regional Planning Unit (ARPU), Sardar Patel Institute of Economic and Social Research, Amedabad as a part of ARPU work of Gokhale Institute of Politics and Economics, February 17, 1998 (jointly with R.S.Deshpande) , (ii) Presented a paper entitled "Environmental Concern and Drip Irrigation Technology : A Study Based on Experimental and Field Level Data" at the 57<sup>th</sup> annual conference of the Indian Society of Agricultural Economics, organised by the G.B.pant University of Agriculture and Technology, Pantnagar, December 29-31, 1997. (iii) Presented a paper entitled "Pricing and Financial Issues of Maharashtra's Irrigation Sector", presented at the workshop on Economic Problems of Water, jointly organised by the Second Irrigation Commission, Government of Maharashtra and Marathi Economic Association, Sangli, Maharashtra, May 14-15, 1997 (jointly with R.S.Deshpande). (iv) Participated in INREM-ECONET workshop on Teaching Natural Resource Economics in Indian Universities, jointly organised by the Indian Natural Resource Economics and Management (INREM) and ECONET, Centre for Development Studies and Activities, Bavdhan, Pune, January 30, 1998. (v) Participated in the 18<sup>th</sup> Annual Conference of Association of Economists of Tamil Nadu and Pondicherry, organised by the Jamal Mohamed College, Tiruchirapalli, Tamil Nadu, November 8-9, 1997.

**Sangeeta Shroff** : Delivered a lecture at Vaikunth Mehta National Institute of Co-operative management on "Monopoly Procurement Scheme of Cotton in Maharashtra" in a workshop on 'Sickness in Co-operative Sector Mills'.

**S. Thiruvengidaswamy** : Participated in the conference of the Indian Association of the Study of Population (IASP), Banaras Hindu University, Varanasi, February 9-12, 1998. Presented a paper on 'Economic Inequality and Utilisation of Health Services in India : An Evidence from NSS data'.

Delivered four guest lectures in January 1998 on 'Risk Analysis, Capital Budgeting and Managerial Economics in Symbiosis Institute of Management, Pune.

#### **V M.A. Teaching Programme at the Institute :**

In addition to the work on various research projects, the members of the faculty of the Institute were engaged in the teaching programme for the M.A. (Economics) courses. They also continued to guide the Ph.D. students in Economics.

During the year under report, there were 57 students in the M.A. Class (Part I and Part II) in the Institute. Two Research Fellows continued to work in the Institute under the UGC Fellowship Programme.

#### **VI 4<sup>th</sup> Convocation of the Institute**

Nineteen successful students received their M.A. degrees in Economics from the Gokhale Institute of Politics and Economics (Deemed to be a University) at the 4<sup>th</sup> convocation of the Institute held on January 22, 1998.

#### **VII Pandurangi Prize**

Smt. Manasi Panshikar, who secured first rank with an 'A+' grade in the M.A. Examination held in May 1997, was awarded the Pandurangi Prize on the occasion of the 4<sup>th</sup> convocation of the Institute held on January 22, 1998.

## VIII Ph.D. Students

There were 27 students working at the Institute for their Ph.D. degrees during the year under report. The following research students who worked for their Ph.D. degrees in the Institute were awarded Ph.D. degrees of the University of Pune during the year under report: (i) Smt. Malika B. Mistry for her thesis on "Fertility and Family Planning Behaviour among Muslims in India: Evidence from a Survey in Malegaon City, Maharashtra" on 12.09.1997, (ii) Smt. Saxena Padmaja for her thesis on "The Impact of Fertiliser Subsidy on Indian Agriculture 1970-1990" on 15.12.1997.

## IX UGC Sponsored Refresher Course

During the year under report, the Institute conducted one UGC-Sponsored refresher course in economics for college and university teachers. The following are the details of the said course:

Course No.	Subject of the Refresher Course	Duration of the Course	Name of the Course Co-ordinator	No. of Participants
27	Economics of Development	05.01.1998 to 24.01.1998	Dr. R.S.Deshpande	50

Eminent economists from the academic and research institutions and members of the faculty of the Institute delivered lectures in this course.

## X Visits of Scholars and Academicians

1. Ange Belle Hassinger, Economic Officer, Consulate General of the United States of America, Mumbai, on 18.04.1997
2. Dr. Helen R. Robinson, University of Bristol, U.S.A., on August 6, 1998.
3. Dr.(Smt.)Jyoti K. Parikh, Acting Director, Indira Gandhi Institute of Development Research, Mumbai, on 27.11.1997.

## XI Seminars Organised During 1997-1998

During the year under report, the Institute organised 15 seminars, details of which are as under :

Date	Speaker	Title
24.05.1997	Professor Pawan K. Aggarwal	Reform of Sales Tax : An Introduction to Value Added Tax
07.06.1997	Dr. P. Rameshan	Sales Tax Incentives and Industrial Dispersal in Maharashtra (1979-80 to 1994-95)
21.06.1997	Dr. M. Ramachandran	The Behaviour of Income Velocity of Money in India: Institutional, Structural and Demographic Determinants
05.07.1997	Professor V.S. Chitre	Index-Linked Bonds
19.07.1997	Dr. A. Narayanamoorthy	Electricity Use in Indian Agriculture : Trends and Determinants
02.08.1997	Professor A.K. Mitra	Irrigation Management and Pricing of Irrigation Water
06.08.1997	Dr. Helen R. Robinson, University of Bristol	Intermittent Participation, Wages and the Labour Market
30.08.1997	Dr. S. Mulay	Female Literacy and Work Participation in Urban India
13.09.1997	Dr. Smriti Mukherjee	Foreign Private Capital Inflows into India (1991-97) Push or Pull?

Date	Speaker	Title
20.09.1997	Dr. S.Mulay Dr. Usha Ram	Comparative Study based on the findings of the Client Satisfaction Surveys conducted in the Districts of Pune and Nanded
03.10.1997	Professor K.K.Das Gupta	Degree of Monopoly, Class Struggle and Distribution of Income in the Kaleckian Paradigm
24.10.1997	Dr. Usha Ram	Levels and Differentials in Infant and Child Mortality in Maharashtra: A District Level Analysis
28.11.1997	Dr. B.B.Mohanty	Agricultural Modernisation in Rural Orissa: Land Transfer and Ownership Pattern
12.12.1997	Dr. Malika Mistry	Modernisation and Status of Women and their relationship with Fertility and Family Planning : A Case Study of Muslims in Malegaon City (Maharashtra)
20.02.1998	Professor P.R.Brahmananda	New paradigms in International Economics

## XII Kale Memorial Lecture

Dr. Vasant Gowariker, Vice-Chancellor, University of Pune, delivered the Kale Memorial Lecture at the 4<sup>th</sup> Convocation on January 22, 1998, on "Something Happening in India that this Nation Should be Proud of".

## XIII Publications

The Institute published the following publications during the year 1997-98:

- (1) Artha Vijnana : Vol. 39 No.1, March 1997  
Vol. 39 No.2, June 1997  
Vol. 39 No.3, September 1997  
Vol. 39 No.4, December 1997

- (2) Kunda Datar Memorial Lecture :

Women in the Indian Working Force : Trends and Differentials, by Pravin Visaria, 1993 lecture printed and published in 1997, Rs.100.00

- (3) Mimeograph Series :

47. Economics of Drip Irrigation : A Comparative Study of Maharashtra and Tamil Nadu, by A.Narayanamoorthy and R.S.Deshpande, 1997, Rs. 195.00
48. Agricultural Exports of India with Special Reference to Non-Traditional Commodities : Future Prospects and Policy Issues by Deepak Shah and Ashok K.Mitra, 1997, Rs. 255.00

## XIV Emeritus Professorship :

On his retirement from the services of the Institute as Professor and Director of the Institute on January 31, 1998, the status of Emeritus Professorship was conferred upon Professor D.C.Wadhwa by the Institute with effect from February 1, 1998.